

RESTRICTED

JACSPAC

**JOINT ARMY & NAVY
RADIO FACILITY CHARTS**

**CORRECTED TO OCTOBER 1, 1945
VOLUME 3, NUMBER 9**



NOTICE

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**PUBLISHED BY AUTHORITY OF THE COMMANDING GENERAL,
ARMY AIR FORCES BY HEADQUARTERS,
7TH ARMY AIRWAYS COMMUNICATIONS SYSTEM WING.**

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1. **GENERAL:** These radio facility charts are drawn up using the form of T.O. 08-15-1 ARMY AIR FORCES RADIO FACILITY CHARTS insofar as practicable.

2. **BASIS OF DISTRIBUTION:** These radio facility charts are distributed in the Pacific Area on the following basis:

ORGANIZATION	COPIES DISTRIBUTED TO
Air Transport Command	Headquarters, Pacific Division Air Transport Command.
United States Navy	COMAIRPAC, Pearl Harbor.
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The Headquarters 7th Army Airways Communications System Wing, will distribute copies in the quantity requested to the headquarters indicated in the column "COPIES DISTRIBUTED TO" above. Additional copies needed may be obtained by request in radiograms to "KHYN", Hickam Field, or by letter to Commanding Officer, 7th Army Airways Communications Wing APO 953. All activities coming under the column "ORGANIZATION" above should send their requests for additional copies to the office responsible for their distribution.

3. **CORRECTIONS:** a. Before being placed in service and until a revision is received these charts should be corrected when "NOTICES TO AIRMEN" are received by radio or by comparison with a copy containing corrections to date.

b. Source and date of corrections made to the charts should be entered on the "RECORD OF CORRECTIONS" listed elsewhere in this publication, and initialed by the individual making the changes.

4. **REPORTING FACILITY CHANGES:** Due to many additional radio facility installations being made to improve aerial and radio navigation and airways communications in the Pacific Area, it is requested that any inaccuracies noted, new facilities and changes in facilities be reported immediately by radio message to A.A.C.S. Radio Station "WZJ", and followed by letter to Commanding Officer, 7th AAC Wing APO 953 provided a letter is deemed necessary to clarify the information concerning any facility.

5. **ADDITIONAL PACIFIC AIRWAYS PUBLICATIONS:** JACSPAC, Joint Army and Navy Radio Facility Chart, is designed for the use and aid of airmen and attempts to list only the Radio-Navigational Aid Facilities. Information relative to field conditions, detailed maps of islands and other data of value to airmen will be found in "H.O. #503, Pacific Airways Route Manual," Central and South Pacific editions. This manual may be procured through the Air Navigation Office, Naval Air Station, Honolulu, T. H.

"West Coast Extract of U. S. Radio Facility Charts" are available at ATC Operations and Briefing Offices at Hamilton, Fairfield and Hickam. Hq 7th AAC Wing handles distribution of this extract for organizations in the Pacific.

"Airways Navigational Facilities of Australia" contains more complete information on radio facilities in Australia and adjacent islands. This book may be obtained from Duty Flight Officers at stations in that area.

"Joint Army Navy Instrument Approach Charts" containing let-down procedures for fields utilizing SCS-51 equipment may be obtained at Operations and Briefing Offices or on request to Hqs 7th AAC Wing. These charts are, however, included in the "H.O. 503" mentioned above.

TIME TICK SCHEDULE

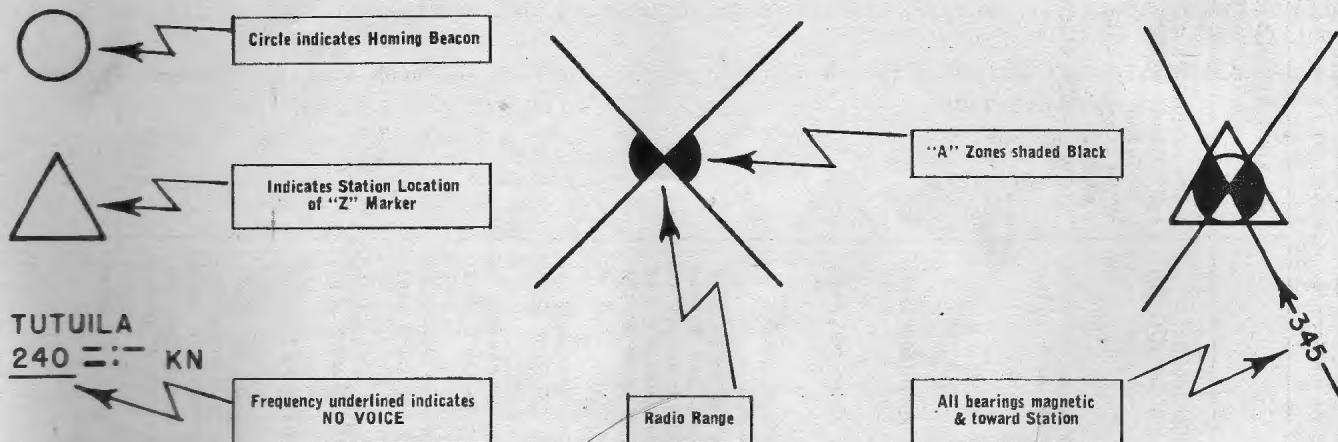
NAVAL RADIO STATION	TIME (GCT)	FREQUENCIES
NPM—Honolulu	0355 to 0400 1555 to 1600 1955 to 2000	9090—14390—17370 4525—9090—14390 9090—14390—17370
NPG—San Francisco	0255 to 0300, 0755 to 0800 1455 to 1500 1655 to 1700, 1955 to 2000	115—9255—12540 115—9255—12540 115
NSS—Washington	0355 to 0400, 0955 to 1000 1555 to 1600, 2155 to 2200	113—4390—9425—12630 113—4390—9425—12630
WTO—Brisbane, Australia	0755 to 0800 1155 to 1200 1955 to 2000 2355 to 2400	5000—10000 5000—15000 5000—10000 5000—15000
WXXU—Manila	0355 to 0400, 1555 to 1600 1955 to 2000, 2355 to 2400	4445—8675—12200 4445—8675—12200

WWV—Washington, D. C. Continuous time ticks on 2500, 5000, 10000 and 15000 Kcs 24 hours daily. 10 KW Power.

This signal is given in the following manner: 440 and 4000 cps modulation on the carrier ceases each 4 minutes, for a period of one minute. The time the tone ceases is the time signal marking the five minute period. The modulation is off for exactly one minute, while the call sign of the stations is given. The resumption of the tone is also exactly on the minute. Obviously, the BFO should be left "OFF" in receiving these signals.

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LEGEND



NOTE: All facilities operative 24 hours daily, unless the hours of operation are indicated herein. All facilities operative additionally upon request, unless otherwise indicated herein. All bearings are magnetic, unless otherwise indicated herein. Cone of silence "Z" marker operates on 75,000 kilocycles.

EXPLANATORY INFORMATION: Detailed explanatory information concerning Ranges, Beacons, Homers, and Racon facilities will be found on pages 40, 41, 42 and 43.

TOWERS: When contacting any Tower the word "Tower" will be used following the voice call of the Tower itself.

GROUND CONTROL APPROACH AND INSTRUMENT LANDING FACILITIES: These facilities are listed under the remarks column as to location and specific time of continuous operation. These facilities are operative additionally during instrument weather and at other hours are available on request to the tower with 30 minutes advance notice.

DIRECTION FINDING: Under Remarks column is listed the latitude and longitude of the D/F station and the megacycle frequency band the D/F equipment can cover when taking bearings. Example: "D/F available 2-10 mcs, 18° 20' 22"N, 160° 10' 15" W. Contact Air-Ground station for instructions. Where VHF D/F is available contact tower for instructions. Air SOS frequency 8280 kcs monitored continuously by all D/F stations who test Xmitters 0000-0005Z daily.

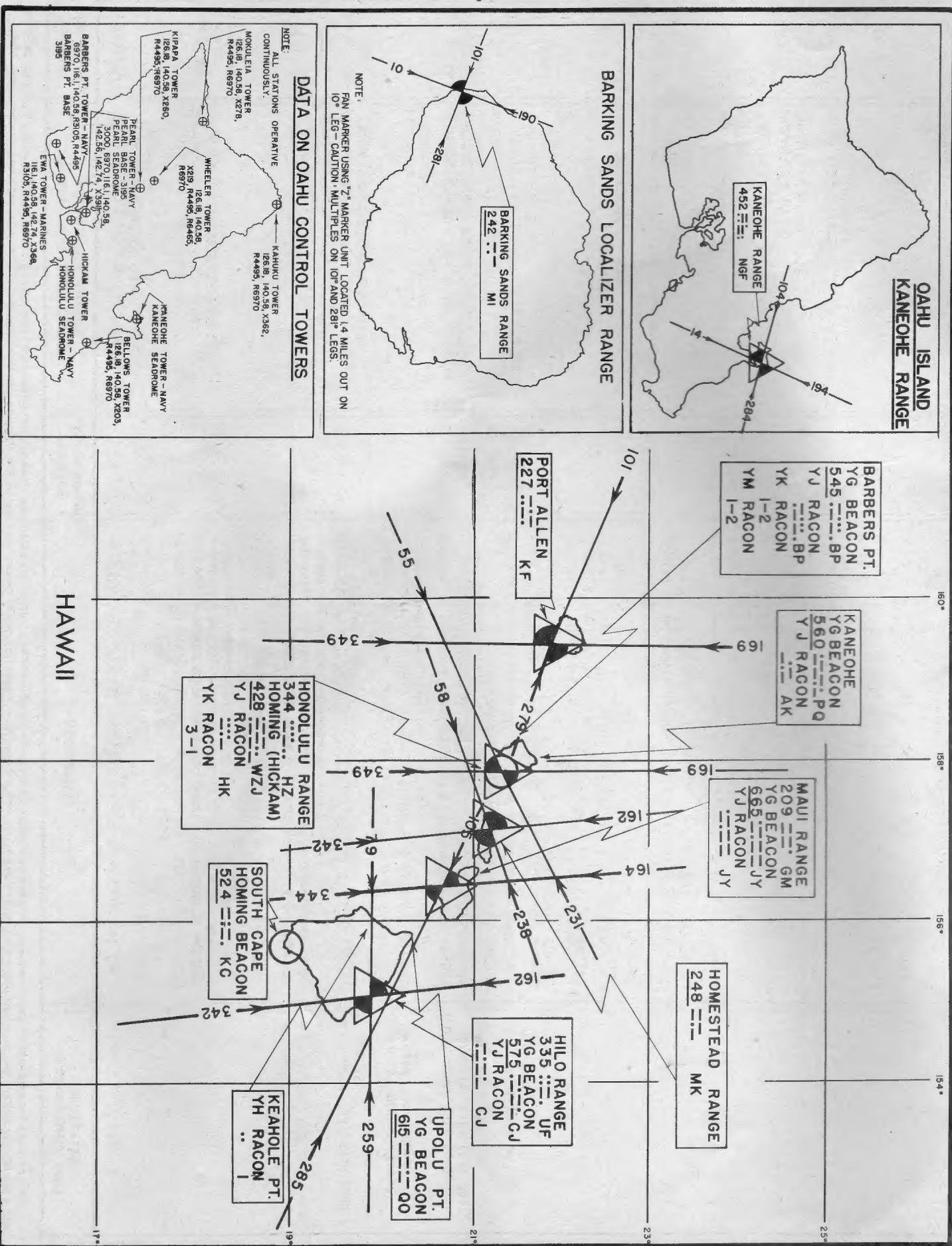
TERMINAL WEATHER is broadcast on homing beacons at 05 and 35 minutes past the GCT hour in the Pacific Ocean Area and at 15, 35 and 55 minutes past GCT hour in the Southwest Pacific Theatre. Complete list of broadcasts and schedules is posted on page 40.

CAUTION: This publication has been compiled from the latest and most reliable information available. While every effort has been made to assure accuracy, conditions are constantly changing and pilots are warned to procure latest data on communications facilities, frequencies, radio ranges, etc., at each point of departure for the next leg of the flight

RECORD OF CORRECTION

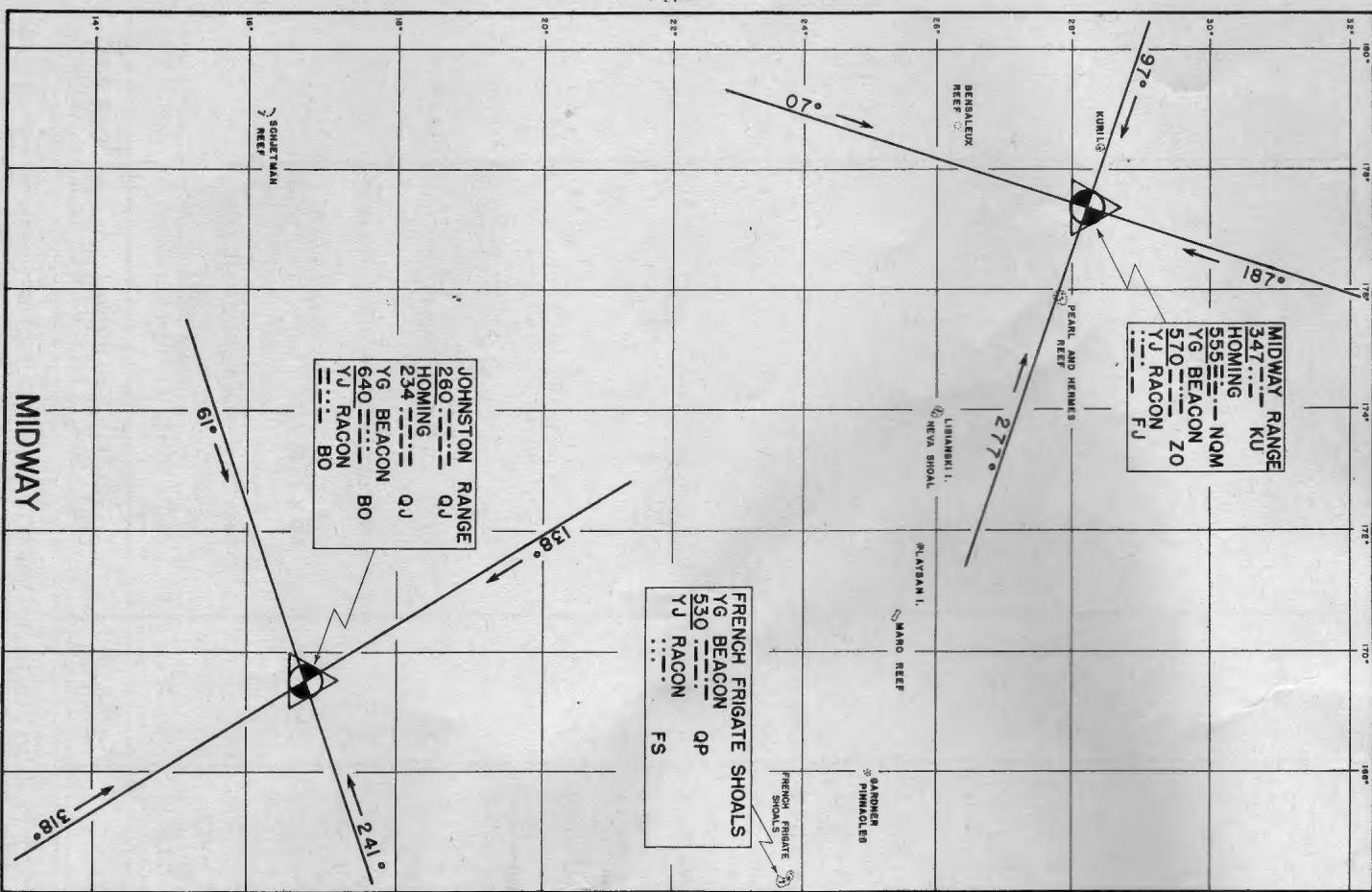
ALL FACILITIES ARE OPERATIVE CONTINUOUSLY EXCEPT WHERE (D) OR (N) INDICATES DAY OF NIGHT OPERATION ONLY AND (*) ON REQUEST ONLY.
 In Range and Homing columns bearing is magnetic toward nearest end of nearest runway with distance in statute miles. In Tower and Air-Ground columns all freqs are Xmit and Received with the following indicated exceptions: (X) means Xmit only, (R) Receives only. Freqs in pairs such as 3450/6705 indicate low freq for night use, high freq for day use.

RANGE Dist & Brng	TOWER, FLD ELEV. STRIP (VOICE) FACILITIES	HOMING Dist & Brng	REMARKS	AIR-GROUND (CW) FACILITIES
3.5 @ 55°	HOMESTEAD (441')—140.58, X396, R2922, R4495, R6970			HOMESTEAD FIELD (MOLOKAI)—D/F courses and fixes 2-10 mcs: 21° 03' 15" N, 157° 05' 15" W. Warning: Radio-Navigational aids may be inoperative 0430- 0530Z for normal maintenance. Tower operative from 1700-0230Z.
21.8 @ 288° 0.4 @ 190° "KF" "MI"	BARKING SANDS (13')—116.1, 126.18, 140.58, X263, R2922, R4495, R6970			BARKING SANDS AIRFIELD (KAUAI)—RANGE station guards 4495 kcs (Voice). "KF" range located at Port Allen "MI" Localizer Range at Barking Sands, see map insert. KTOH, Lihue, Kauai, Brdcest Stn, 1490 kcs operative 1700- 0745Z. D/F courses and fixes 2-10 mcs: 22° 04' 08" N, 159° 19' 22" W Warning: Radio-Navigational aids may be inoperative 1200- 1500Z for normal maintenance.
2.1 @ 68° "HZ"	HICKAM (21')—116.1, 126.18, 140.58, X236, R4220, R4495, R6970	0.8 @ 150°		HICKAM FIELD(OAHU)—D/F courses and fixes 2-10 mcs: 21° 29' 16" N, 157° 59' 22" W. Warning: Radio-Navigational aids may be inoperative 1800- 2000Z for normal maintenance. All aircraft will contact Honolulu OATC and secure clearance before leaving enroute cruising altitude.
4.0 @ 80° "HZ"	HONOLULU OATC—128.16, X344, R3105, R4220, R4495, R6500	3.2 @ 102° "WZJ"		HONOLULU NAVAL STATION (OAHU)—Terminal Weather brdcst 30 minutes past GCT hour on KVM A/G frequencies in use at that time. D/F courses and fixes 2-10 mcs: 21° 29' 15" N, 157° 59' 22" W. Honolulu Tower and Seadrome utilize same frequencies.
1.3 @ 253°	KANEOHE (5')—116.1, 140.58, X254, R6970			KANEOHE NAVAL AIR STATION (OAHU)—"NGF" Range operative on request to KVM or WZJ or to Kaneohe Tower. Terminal Weather in clear on request to Kaneohe tower. D/F courses and fixes 100-1500 kcs and 2-18 mcs: 21° 26' 20" N, 157° 44' 27" W. Kaneohe Seadrome operative days and during night opera- tions. After landing contact ALEX on 142.74 mcs for ramp instructions only.
13.1 @ 342°	PUUNENE (54')—116.1, 140.58, 142.74, 6970, R4495			HONOLULU COMMERCIAL BROADCASTING STATIONS— KGMB, 590 kcs and KGU, 760 kcs are operative 1545-0830Z. MAUI AIRPORT—Range Station guards 4495 kcs (Voice). D/F available.
2.8 @ 251°	HILO (10')—110.1, 126.18, 140.58, X272, R2922, R4495, R6970			HILO AIRPORT (HAWAII)—Range Station guards 4495 kcs (Voice). KHBC Hilo Brdcest Sta 1220 kcs, operative 1630-0730Z. D/F courses and fixes 2-10 mcs: 19° 26' 10" N, 156° 17' W; 2-10 mcs 18° 57' N, 155° 41' 20" W. Warning: Radio-Navigational aids may be inoperative 0730- 0830Z for normal maintenance. Hilo Tower and Seadrome utilize same frequencies.



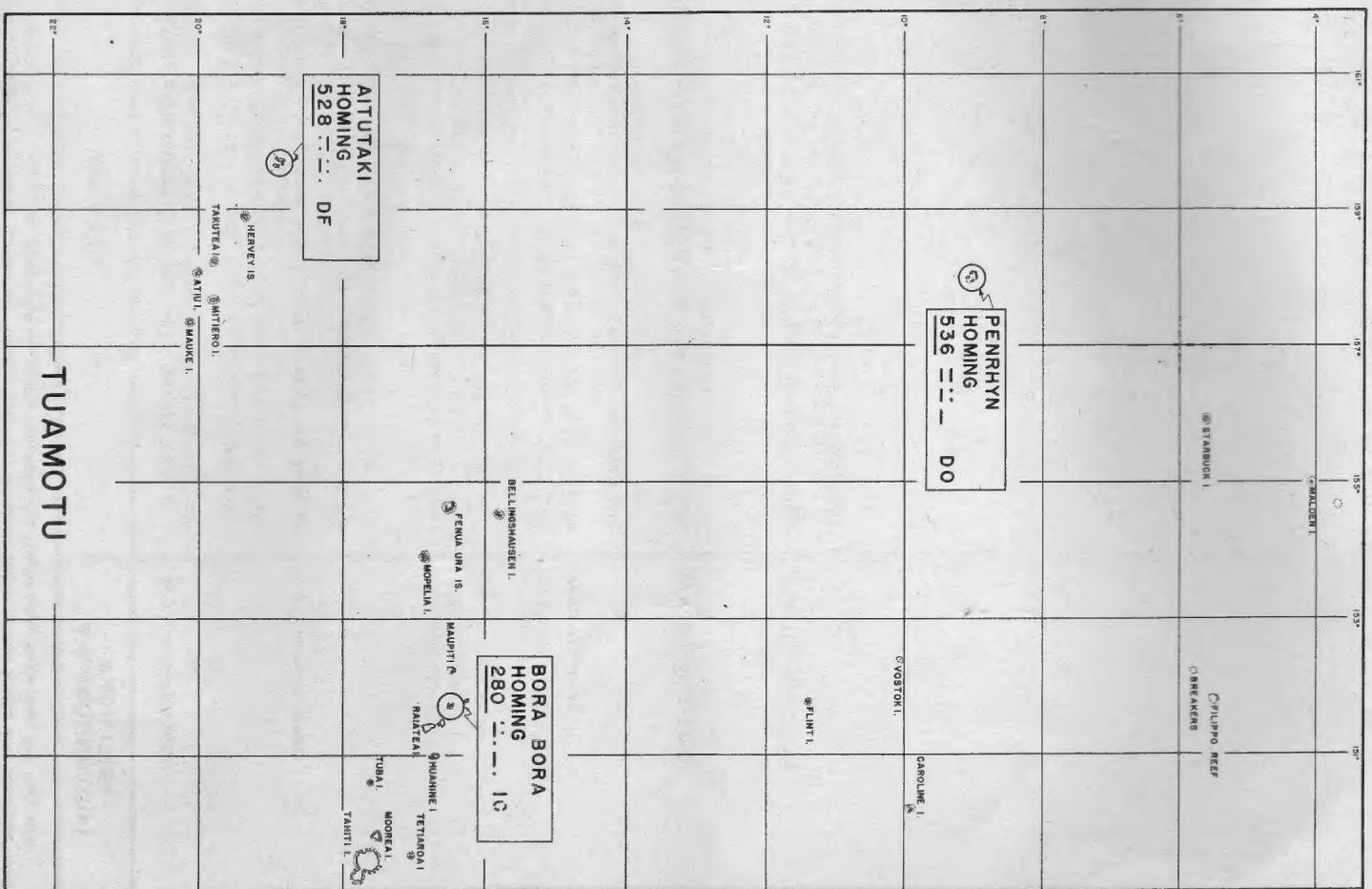
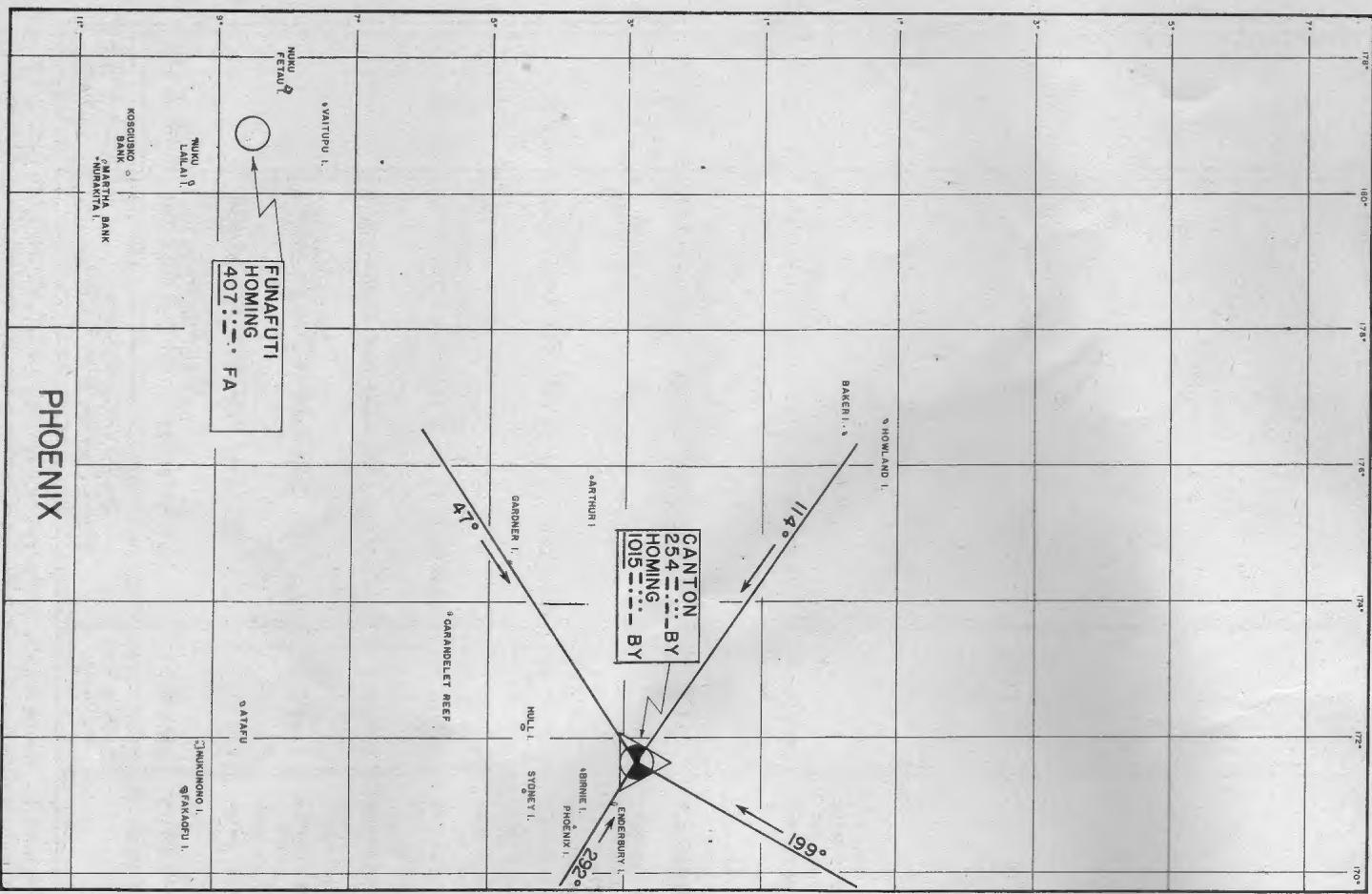
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RANGE Dist & Brng	TOWER, FLD ELEV., STRIP (VOICE) FACILITIES	HOMING Dist & Brng	REMARKS	AIR-GROUND (CW) FACILITIES
At Field	MIDWAY (7') Sand Island—116.1, 140.58, 6500, X278, R3355, R4495, R6155, R6970 MIDWAY BASE—4495 MIDWAY SEADROME—6970	At Field	MIDWAY—Range Legs swinging slightly at night, Caution. "NQM" Homing, A-1 emission, operative when planes are enroute. D/F available 2900-8600 Kcs; 28° 12' 02" N, 177° 22' 38" W. Contact Midway Base one hour prior to ETA on 4495 kcs. Upon reaching Islands aircraft shall notify Base "I see you" after which planes shall contact their respective tower for landing instructions.	NQM5—4595/8200
1.4 @ 220°	JOHNSTON (7')—116.1, 126.18, 140.58, 4475, 6970, X272, R4495 JOHNSTON OATC—128.16, X234, R4495, R6500 JOHNSTON SEADROME—6970	1.2 @ 222°	JOHNSTON ISLAND—WVTV A. F. Brdcast Stn on 1420 kcs. Warning: Radio-Navigational aids may be inoperative 0400-0500Z for normal maintenance. Caution "QJ" Range has bends on 61 and 241 degree legs. D/F courses and fixes available 2-10 mcs: 16° 44' N, 169° 31' W. Contact Johnston OATC for long range voice communications (100 miles); contact Johnston Tower for landing instructions (15 miles). FRENCH FRIGATE SHOALS—Tower operative on request to NQM5. Midway, or when planes are known to be enroute.	NIQ5—3405/6577, 3560/6563, 3620/5535, 4595/8200, 4635, 4850
2.7 @ 50°	CHRISTMAS (5')—116.1, 126.18, X272, R4495, R6970	1.8 @ 58°	CHRISTMAS ISLAND—"RG" Homing operative from 1630-0630Z and 2 hours prior to ETA of all flights. D/F courses and fixes available 2-10 mcs: 02° 02' N, 157° 26' W. Warning: Radio-Navigational aids may be inoperative 1830-1930Z for normal maintenance. Tower operative 1630-0430Z and 2 hours prior to ETA of all flights.	WYVK—4595/8200
1.4 @ 39°	PALMYRA (6')—116.1, 140.58*, 4495, 6970	0.9 @ 31°	PALMYRA ISLAND—"JY" Homer operative on request. Tower and Seadrome utilize same frequencies, operative 1600-0630Z.	NIX5—4595/8200



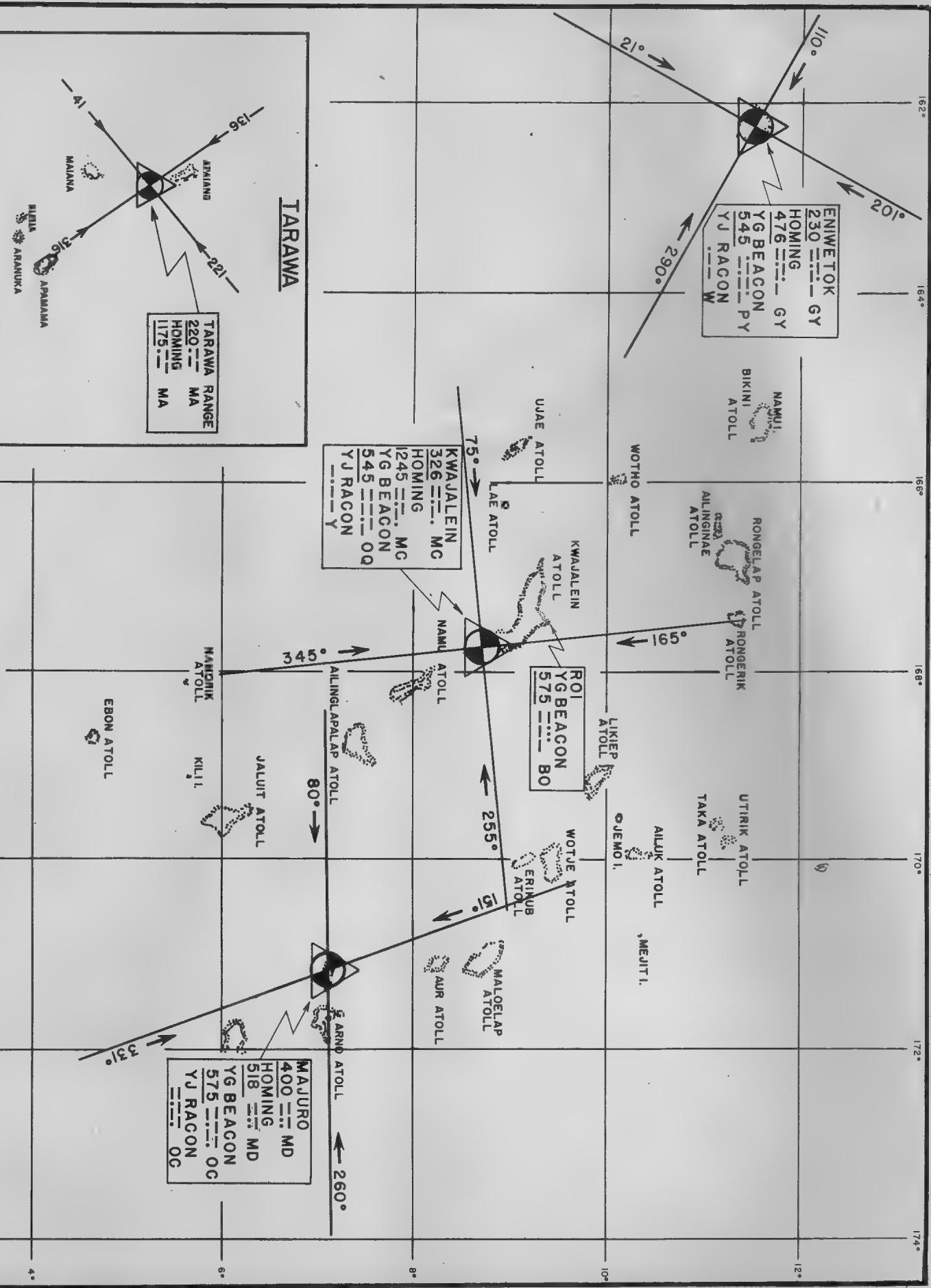
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RANGE Dist & Brng	TOWER, FLD ELEV., STRIP (VOICE) FACILITIES	HOMING Dist & Brng	REMARKS	AIR-GROUND (CW) FACILITIES
7.3 @ 305°	CANTON (5')—116.1, 126.18, 140.58, X272, R4495, R6970 CANTON SEADROME—4495, 6970	1.3 @ 290°	CANTON ISLAND —Auxiliary Homing "BY" on 371 kcs. D/F courses and fixes available 2-10 mcs: 02° 48' S, 171° 39' 34" W. Warning: Radio-Navigational aids may be inoperative 2000-2200Z for normal maintenance.	WYVA—4595/8200
	FUNAFUTI* (7')—6500, 6970, X272 R2870, R4495	0.5 @ 143°	FUNAFUTI ISLAND —Terminal Weather brdest on Homer on request. DIXIE —Seaplane Base—2870, R6500	NJT*—4595/8200
			TUAMOTU REMARKS	
			PENRHYN ISLAND —"DO" Homing and WVJW A/G station operative when flights are known to be enroute. Terminal Weather available to enroute aircraft on 4595 kcs on request.	WVJW—4595
			AITUTAKI ISLAND —"DF" Homing and WVJD A/G station operative when flights are known to be enroute. Terminal Weather available to enroute aircraft on 4595 kcs on request.	WVJD—4595/8200
			BORA BORA ISLAND —"IC" Homing and NXO A/G station operative only when flights are known to be enroute. Terminal Weather available to enroute aircraft on 4696 kcs on request.	NXO—4596



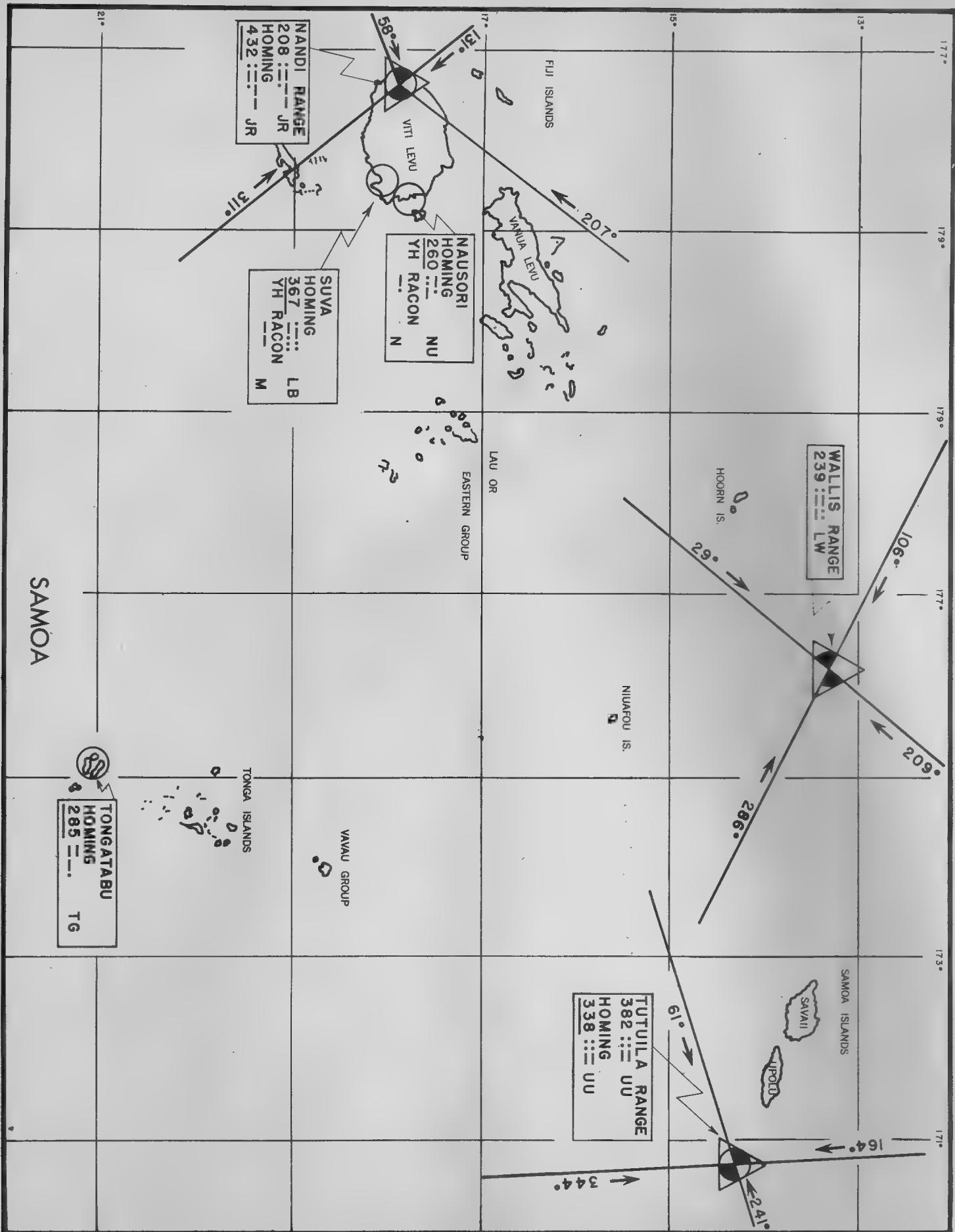
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RANGE Dist & Brng	TOWER, FLD ELEV., STRIP (VOICE) FACILITIES	HOMING Dist & Brng	REMARKS	AIR-GROUND (CW) FACILITIES
3.0 @ 122°	KWAJALEIN (15')—116.1, 126.18, 6970, X272, R4495 EBEYE Seaplane Base—116.1, 6970 OATC—X1245, R4495, 6500 ROI—140.58, 6500, 6970	3.0 @ 122° VHF D/F available. Warning: Radio-Navigational aids may be inoperative 2200– 2300Z for normal maintenance. During Night or Instrument Weather contact OATC for clear- ance and tower for landing instructions. ROI ISLAND—Tower operative 1800–1200Z.	KWAJALEIN ISLAND—WXLG A. F. Brdcast Stn on 1440 kcs. D/F courses and fixes available 2–10 mcs: 08° 48' 30" N, 167° 36' 42" E. VHF D/F available. Warning: Radio-Navigational aids may be inoperative 2200– 2300Z for normal maintenance. During Night or Instrument Weather contact OATC for clear- ance and tower for landing instructions. ROI ISLAND—Tower operative 1800–1200Z.	NDJ5—2976/6600, 3405/6577, 3440/6910, 3450/6705, 3560/6563, 4595/8200
4.3 @ 68°	MAJURO (10')—116.1, 140.58, 4475, 6970, X272, R4495	At Field	MAJURO ISLAND—Warning: Radio-Navigational aids may be inoperative 0100–0200Z for normal maintenance. D/F courses and fixes available 2–10 mcs: 07° 04' 30" N, 171° 17' 55" E.	WVN B5—3450/6705, 4595/8200
4.9 @ 209°	STICKELL (15') 116.1, 140.58, 6970, X272 R4495 PARRY, Seaplane Base—140.58, 6500, 6970 ENGEBI—116.1, 140.58, 6500, 6970, X278, R4495	1.9 @ 220°	ENIWETOK ISLAND—WXLE A. F. Brdcast Stn on 1320 kcs. D/F courses and fixes available 2–10 mcs: 11° 24' N, 162° 23' E. VHF D/F available. Warning: Radio-Navigational aids may be inoperative 2300– 2400Z for normal maintenance. ENGEBI ISLAND—Use Eniwetok Range and Homing.	WVN G5—4595/8200
0.4 @ 291°	HAWKINS (10')—116.1, 140.58, X272, R4495, R6970	1.0 @ 292°	TARAWA (INSERT ON MAP)—D/F courses and fixes avail- able 2–10 mcs: 01° 20' 59" N, 172° 56' 46" E. Warning: Radio-Navigational aids may be inoperative 2300– 2400Z for normal maintenance.	WVN E—4595/8200



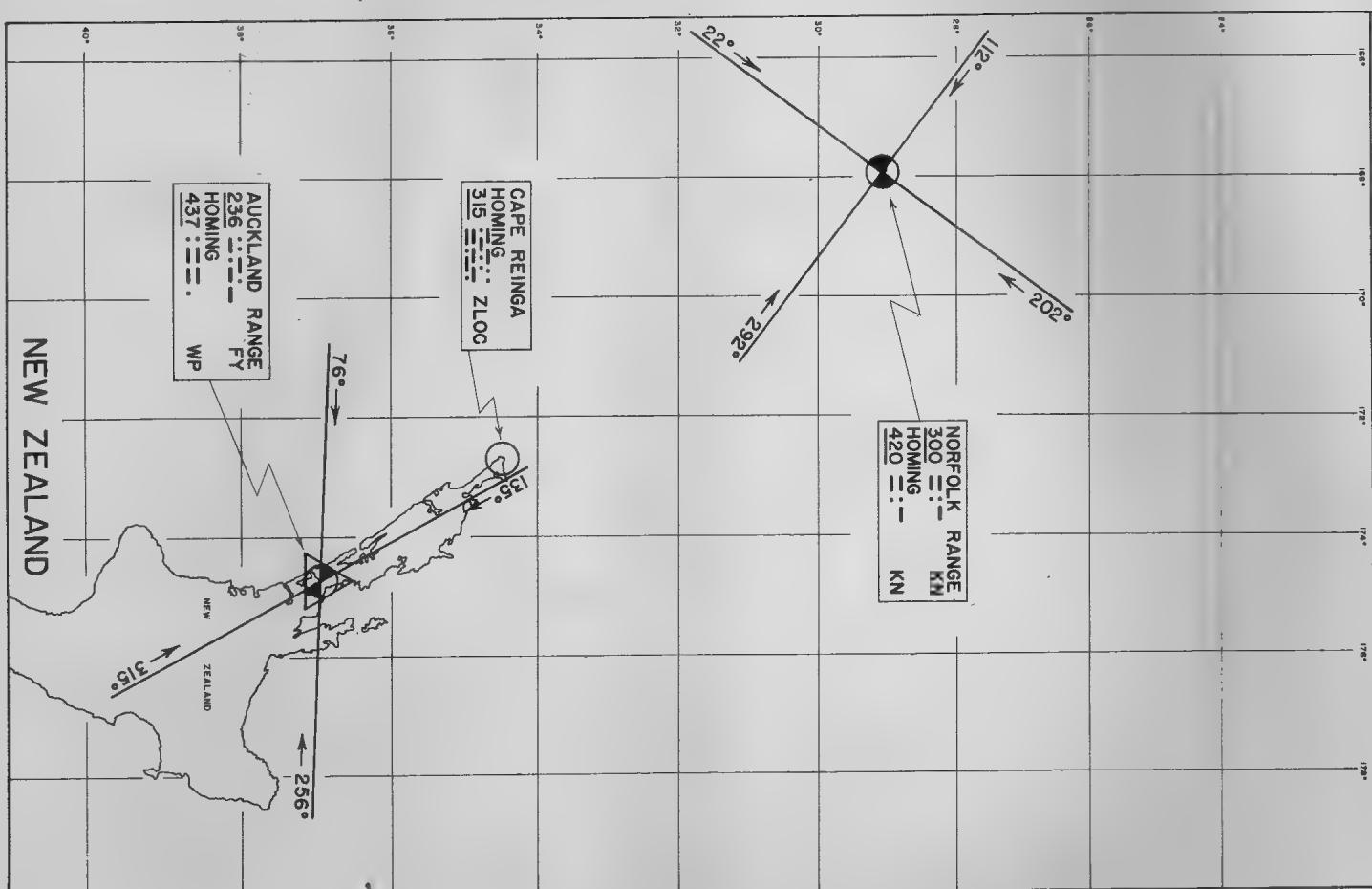
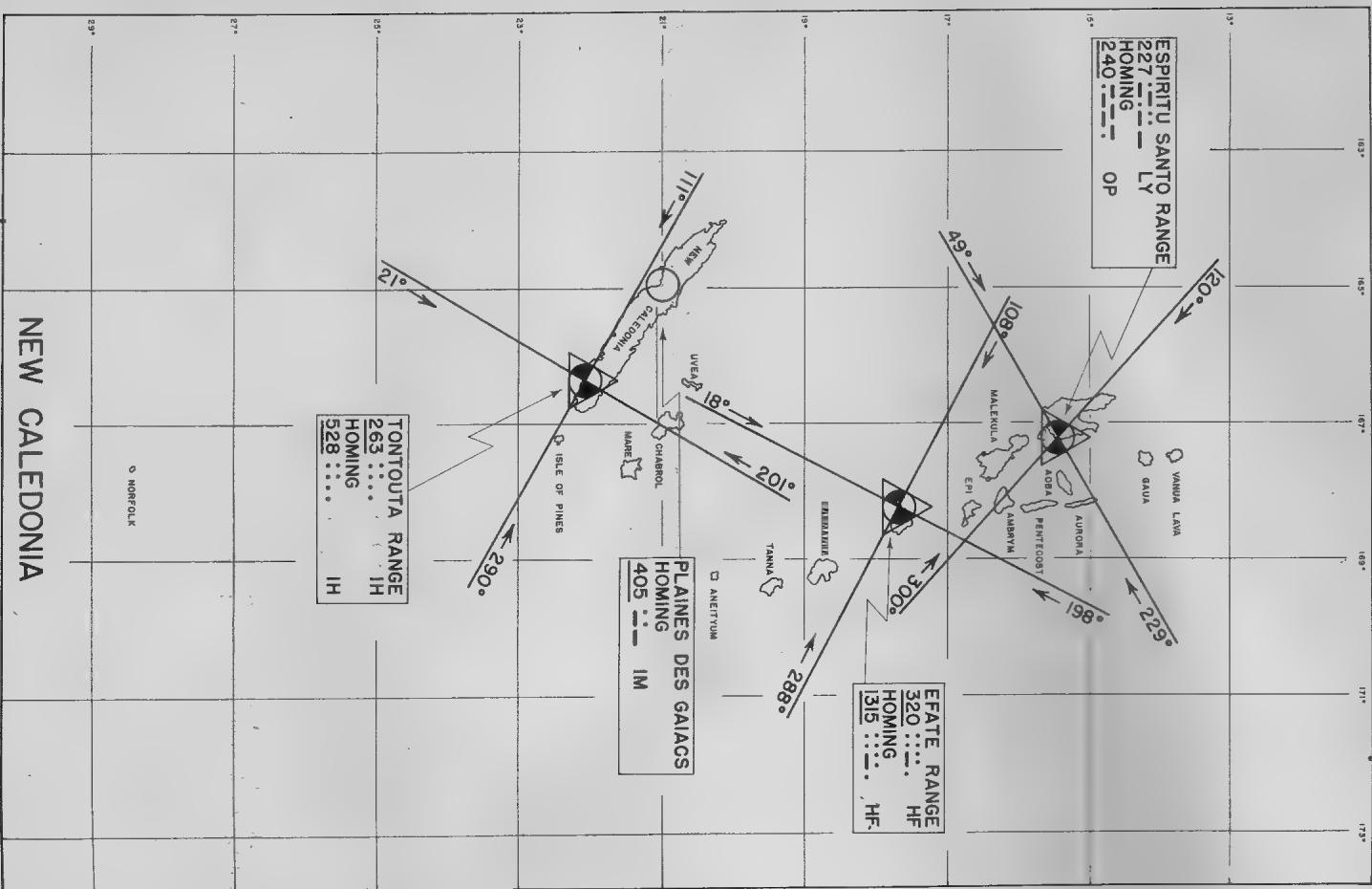
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RANGE Dist & Brng	TOWER, FLD ELEV., STRIP (VOICE) FACILITIES	HOMING		AIR-GROUND (CW) FACILITIES
		Dist & Brng	REMARKS	
3.1 @ 26°	NANDI(8')—116.1, 140.58, 6970, X272, R4495	1.0 @ 16°	NANDI—"JR" Range has multiple courses on 207° and 311° legs. Inoperative for Normal Maintenance on Mondays 0200-0300Z. AF Brdgstg Stn WVUT on 660 kcs. D/F courses and fixes available 2-10 mcs: 17° 47' 24" S, 177° 24' 49" E.	WYVB—4595/8200
6.0 @ 04°			WALLIS ISLAND—"NHZ" operative 0600-1800 local time, Xmits and Receives (Voice) on 6500 kcs.	
4.0 @ 61°	TAFUNA* (6')—6500, 6970, R4495	2.6 @ 75°	UPOLU ISLAND—"NJM" (Upolu Radio) Xmits and Receives (Voice) on 6500 kcs from 1800-0600Z.	
			TUTUILA ISLAND—"UU" Homing operative 4 hours prior to ETA. Multiples on 241° leg of "UU" Range. D/F courses and fixes available 2-10 mcs: 14° 20' 03" S, 170° 42' 36" W. Warning: Radio-Navigational aids may be inoperative 1900-2100Z for normal maintenance. Tatuna Tower operative 2 hrs prior to ETA and when Planes are enroute.	NPU—4595/8200
			TONGATAPU ISLAND—"TG" Homing operative on request. D/F available 320 kcs: 21° 15' S, 175° 08' E. ZKV operative 2000-0500Z and on request to ZLJ. Nukualofa tower available on request to ZLJ or ZKV.	ZKV—4595/8200*, 330, 6580*
			NUKUALOFA*, Land Seadrome—6500	
			LAUTHALA, Seadrome—6500	
			NAUSORI (15')—6500	
			NAUSORI AIRFIELD—"NU" Homing operative days and "N" Racon operative on request only. Nausori Tower operative from 1900-0500Z. ZLJ located at Suva Seadrome but works flights to and from Suva and Nausori. D/F same as Suva.	ZLJ—330, 6557, 8523, 4595*/8200*, 3298.5*



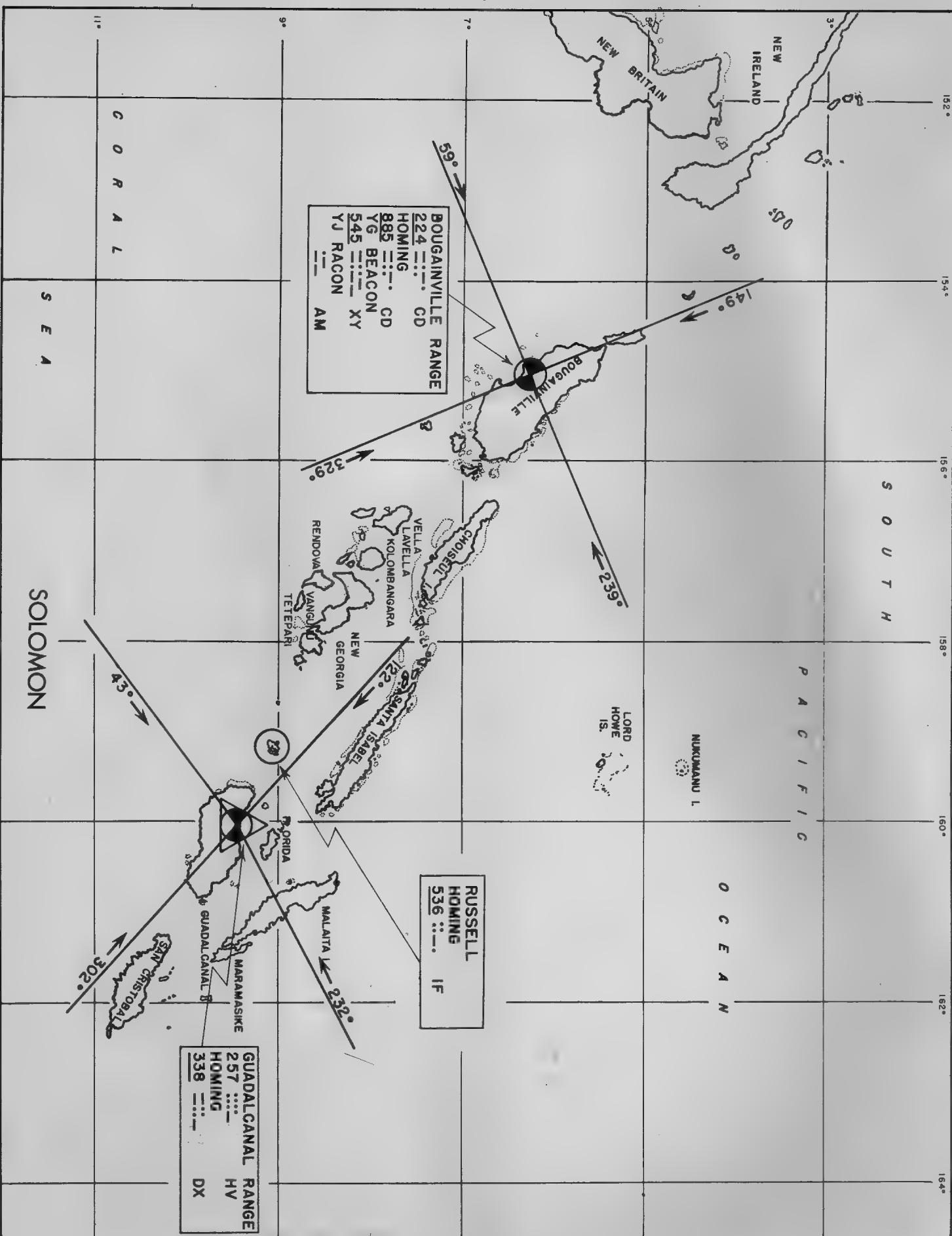
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RANGE Dist & Brng	TOWER, FLD ELEV., STRIP (VOICE) FACILITIES	HOMING Dist & Brng	REMARKS	AIR-GROUND (CW) FACILITIES
2.3 @ 119°	PALLIKULUO (10')—116.1, 140.58, 4475, 6970, X272, R4495 SEGOND Channel Seadrome—140.58, 6500, 6970	0.4 @ 78°	ESPIRITU SANTO ISLAND—"LY" Range 300° leg passes over mountain range, caution. A. F. Brdgng Stn on 1045 kcs. D/F courses and fixes available 2-10 mcs: 15° 29' 31" S, 167° 12' 24" E. SEGOND Tower operative on request or 2 hours prior to ETA of flights.	WYVQ—4595/8200
0.6 @ 288°	BAUER (40')—6970 PLAINES DES GAIACS—(30')— 140.58, 6970, X272, R4495	0.4 @ 198° 1.3 @ 305°	EFAITE ISLAND (BAUER FIELD)—Tower operative on re- quest to WYVQ. PLAINES DES GAIACS AIRPORT—Tower operative on re- quest to WYVQ.	WYVQ—4595/8200
0.5 @ 110°	TONTOUTA (15')—116.1, 140.58, 6970, X278, R4495	1.7 @ 12°	TONTOUTA AIRDROME—"IH" Range, 111°, 201° and 290° legs have multiples. A. F. Brdgng Stn on 975 kcs. D/F courses and fixes available 2-10 mcs: 22° 01' 39" S, 166° 13' 24" E. Tower operative from 1800-0730Z and when flights are known to be enroute.	TONTOUTA AIRDROME—"IH" Range, 111°, 201° and 290° legs have multiples. A. F. Brdgng Stn on 975 kcs. D/F courses and fixes available 2-10 mcs: 22° 01' 39" S, 166° 13' 24" E. Tower operative from 1800-0730Z and when flights are known to be enroute.
3.3 @ 314°	WHENUAPAI (85')—4750, 6500, 126.18* 140.58*	1.5 @ 36°	MAGENTA FIELD, NOUMEA—Tower operative days. ISLE NOU, NOUMEA—D/F available 2-18 mcs. NATS Control Launch operative on tower frequencies 20 minutes prior to ETA.	ISLE NOU, NOUMEA—D/F available 2-18 mcs. NATS Control Launch operative on tower frequencies 20 minutes prior to ETA.
1.4 @ 292°	MECHANIC BAY Seaplane Base—6500 NORFOLK (350')—6500, X272*, X4750*, R4750	0.8 @ 195°	AUCKLAND (WHENUAPAI AIRPORT)—"FY" Range has Fan Marker located on 136° leg 13.3 miles from field, identi- fication four dashes. Terminal Weather brdcast on Homer days only. 1YA Brdgng Stn on 650 kcs operative 1800-1130Z. 1ZM Brdgng Stn on 1250 kcs. D/F available.	AUCKLAND (WHENUAPAI AIRPORT)—"FY" Range has Fan Marker located on 136° leg 13.3 miles from field, identi- fication four dashes. Terminal Weather brdcast on Homer days only. 1YA Brdgng Stn on 650 kcs operative 1800-1130Z. 1ZM Brdgng Stn on 1250 kcs. D/F available.
			NORFOLK ISLAND—Terminal Weather brdcast on Homer, days only. Warning: Radio-Navigational aids may be inoperative 0430- 0500Z for normal maintenance. D/F available.	NORFOLK ISLAND—Terminal Weather brdcast on Homer, days only. Warning: Radio-Navigational aids may be inoperative 0430- 0500Z for normal maintenance. D/F available.
			CAPE REINGA—"ZLOC" Homing operative 0800-1200 and 1400-1700 local time and on request to ZLF.	CAPE REINGA—"ZLOC" Homing operative 0800-1200 and 1400-1700 local time and on request to ZLF.



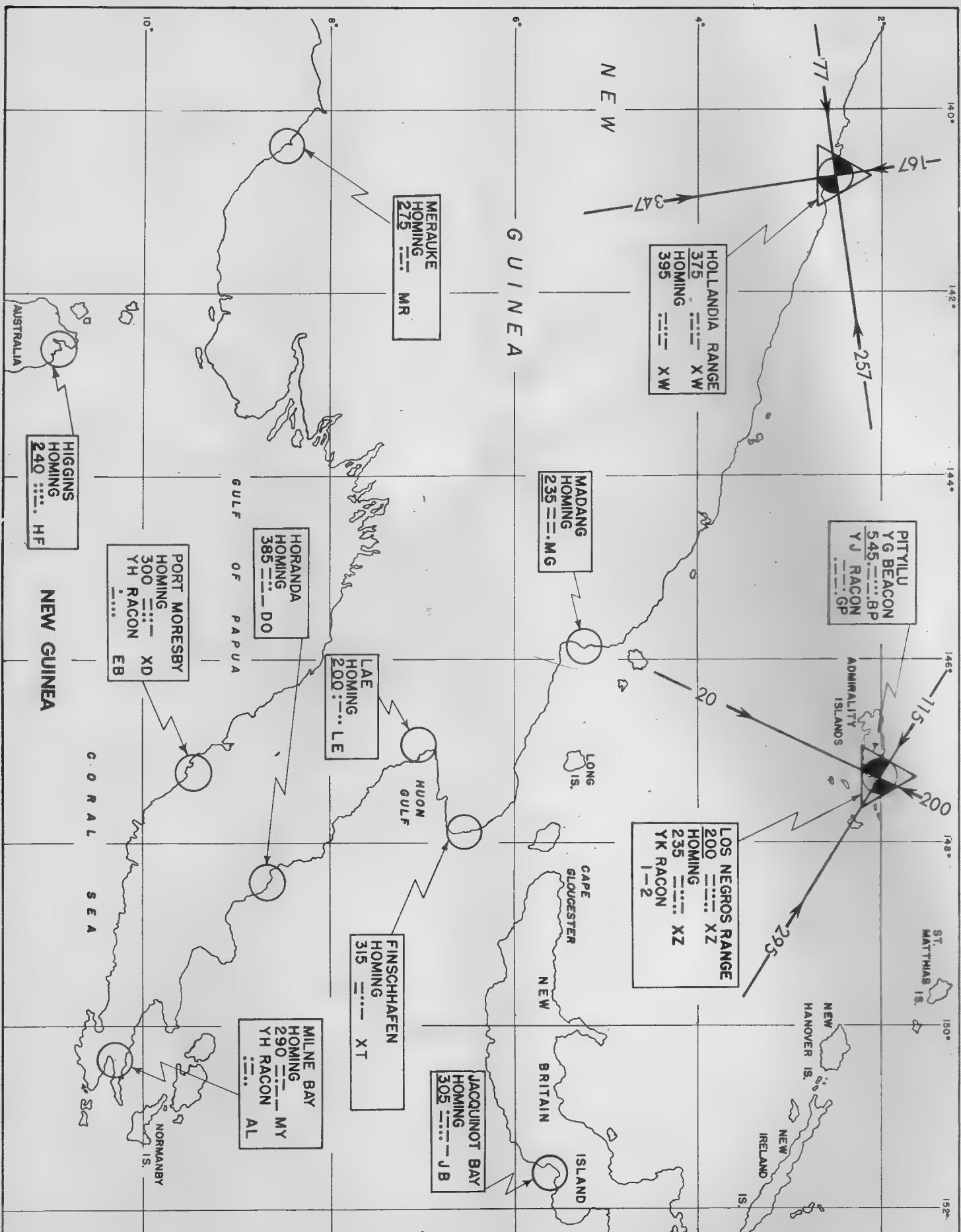
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RANGE Dist & Brng	TOWER, FLD ELEV., STRIP (VOICE) FACILITIES	HOMING Dist & Brng	REMARKS	AIRGROUND (CW) FACILITIES
5.4 @ 278°	HENDERSON (28')—116.1, 140.58, 6970, X272, R4495,	5.5 @ 272°	GUADALCANAL ISLAND—Range courses 43°-232°-302° have multiples. A. F. Bridcstng Stn on 690 kcs. D/F courses and fixes available 2-10 mcs: 09° 25' 56" S, 160° 02' 51" E.	WYVM—4595/8200
3.5 @ 68°	RENARD (30')—Light Gun only PIVA NORTH (118')—116.1, 140.58, 4475, 6970, X272, R4495	0.6 @ 00° 1.2 @ 46°	RUSSELL ISLAND—Terminal Weather brdcast on homer 0800-1600 local time. BOUGAINVILLE ISLAND—Bougainville Australian Bridcstng Stn on 1440 kcs. "CD" Range has multiples on 329° leg. D/F courses and fixes available 2-10 mcs: 06° 12' 40" S, 155° 04' 06" E. Tower operative 1900-1300Z.	WYVE—4595



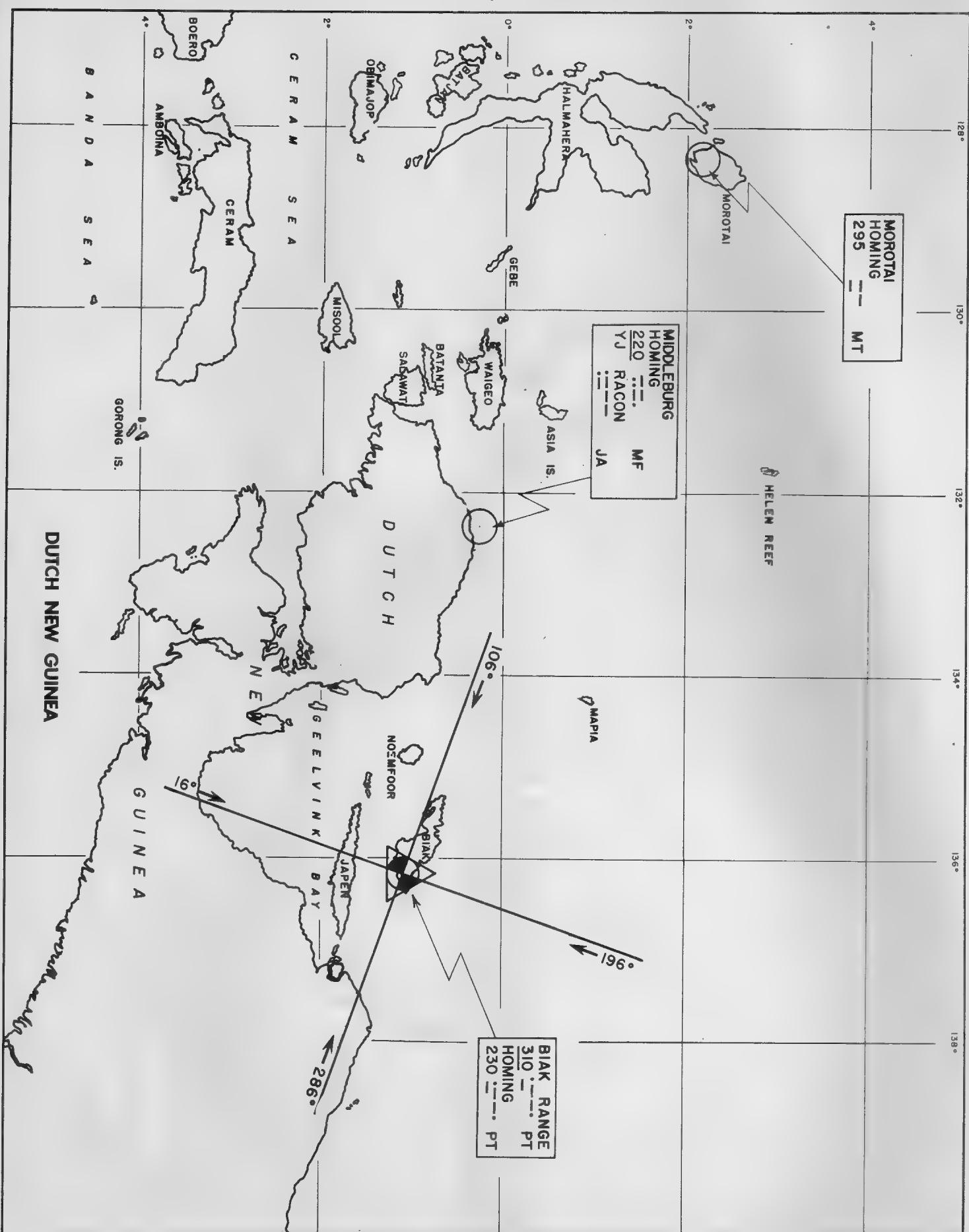
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RANGE Dist & Brng	TOWER, FLD ELEV., STRIP (VOICE) FACILITIES	HOMING Dist & Brng	CAUTION—Any range or homer listed on this page may be inoperative 1100–1130 local time for routine maintenance.	AIR-GROUND (CW) FACILITIES
	FINSCH (30')—116.1, 126.18, X265, R4495, R6500	2.1 @ 45° LAE (12') (D)—4475, X400	FINSCHHAFEN, N. G.—WVTA A. F. Brdst Stn. on 1320 kcs.	WXXT—4595
2.4 @ 295°	FANFARE (25') Mokerang—116.1, 126.18, 140.58, 4305, X265, R4495, R6500	At Field WVTH A. F. Brdst Stn on 1420 kcs.	LAE, N. G.—D/F available. LOS NEGROS ISLAND—“XZ” Range has slight bend in 115° leg, caution. Emergency Homing, no identification, on 350 kcs. WVTD A. F. Brdst Stn on 1480 kcs. D/F courses and fixes available 2–10 mcs: 02° 01' 48" S, 147° 26' 15" E. During Instrument Weather contact Fanfare Tower.	VZLE—X6560D, X6575D, X3135N, X3140N, R6540, R3270N VZMO—X6560D, X3135N, R6540, R3270N WXXZ—4595/8200, 5345D
3.4 @ 169°	SETTER (20') Momote—116.1, 126.18, 140.58, 6500, X350, R4475, R4495	2.5 @ 298° 3.2 @ 167°		
3.9 @ 238°	MERIT BADGE Seaplane Base—116.1, 6500, R4475	3.9 @ 238°		
17.3 @ 278°	PITYILU (8')—116.1, 140.58, 6500, R4475	17.3 @ 278°		
40.1 @ 287°	PONAM (6')—116.1, X4495, * X400, R4495	40.1 @ 287°		
	TADJI (14')—116.1, X4495, * X400, R4495			
	MADANG—116.1, 4495, X400	1.5 @ 355°		
11.4 @ 273°	BOLSTER (290') Sentani—116.1, 126.18, X245, R4495, R6500	0.2 @ 180° “XW”,	HOLLANDIA, N. G.—Use “XW” Range with caution, multi- plex present. Emergency Homing, no identification, on 245 kcs. WVTF A. F. Brdst Stn on 1480 kcs. D/F courses and fixes available 2–10 mcs: 02° 34' 20" S, 140° 30' 40" E.	VZMH—X6560D, X3135N, R6540, R3270N VNHL—4595
	JACQUINOT BAY—116.1, 4495, X400			
	JACKSON (98')—116.1, 4495, X400	1.3 @ 13°	JACQUINOT BAY—“JB” Homer operative on request.	VZJB—X6575D, X3140N, R6540, R3270N
	WARDS Drome—116.1*, X400	2.8 @ 40°	PORT MORESBY—D/F available 2–10 mcs: 09° 28' 52" S, 147° 11' 12" E.	VNPM—4595 VZPY—X3140, X3170, X6575, X6585, R3270, R6540
	DOBADURA (189') #4 Strip—116.1, X400, X4495*, R4495	1.3 @ 238°	HORANDA FIELD (DOBADURA)—WVTE A. F. Brdstng Stn on 1400 kcs. “DO” Homer operative on request.	VZDO—4595, X3140N, X6575D, R6540, R3270N
	GURNEY (65')—116.1, X400, R4495	2.0 @ 248°	MILNE BAY (FALL RIVER)—WVTC A. F. Brdstng Str on 1480 kcs. D/F available 2–10 mcs: 10° 18' 31" S, 150° 19' 57" E. VHF D/F also available.	VZMY—4595, X3140, X6575, R3270, R6540
	MERAUKE (13')—116.1, 126.18, X245, R4495	2.4 @ 160°	MERAUKE, N. G.—Emergency Homing, No ident, on 245 kcs. HF D/F and VHF D/F available.	VZMR—4595, X3170N, X6585D, R3270, R6540
	HIGGINS (10')—116.1, 4495	2.2 @ 142°	HIGGINS FIELD, AUST.—HF D/F and VHF D/F available.	VZHF—X3170, X6585, R3270, R6540



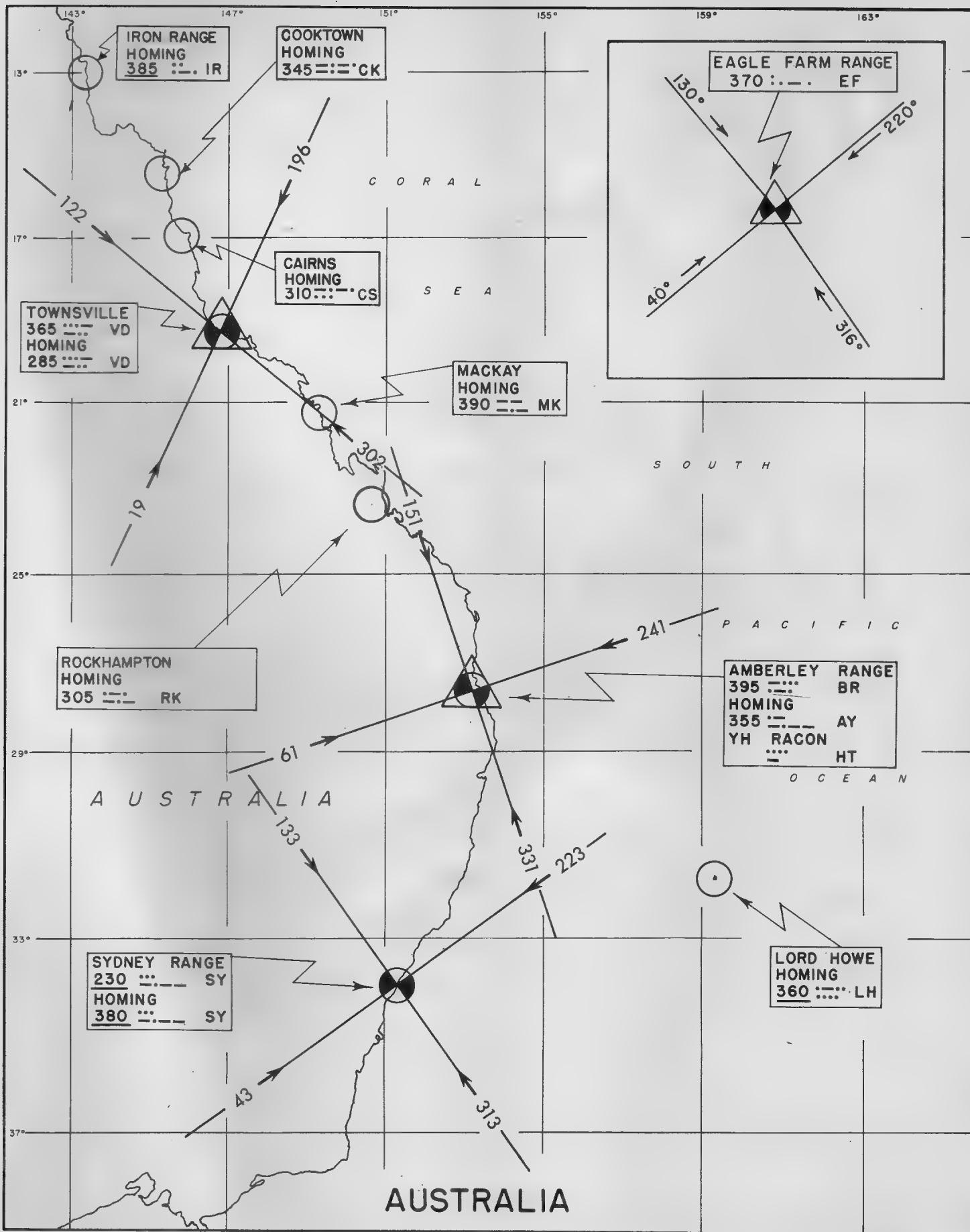
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			CAUTION—Any range or homer listed on this page may be inoperative 1100-1130 local time for routine maintenance.	WZPT—4595, 4340N, 5345D	
1.3 @ 98°	WEASEL, (30')—Boroke—116.1, 126.18, X245, R4495, R6500	0.9 @ 198°	BIAK ISLAND—WVTG A. F. Brdgstrg Stn on 1450 kcs. "PT" Range 106° leg has bend to South 6 miles from station & 286° leg has bend approximately 15 miles from station. D/F courses and fixes available 2-10 mcs: 01° 18' 03" S, 136° 06' 06" E.	VZBA—X6560D, X3135N, R6540, R3270N	
0.7 @ 177°	TOUGHY, (42')—Sorido—116.1, 126.18, X210, R4495, R6500	1.9 @ 236°		VZMF—4595, X6560D, X3135N, R6540, R3270N	
	MIDDLEBURG (5') Klenso—116.1, 4475, 4495, X400	At Field	MIDDLEBURG ISLAND		
	BLOOMER (50')—Pitoe—116.1, 126.18, 140.58°, X265, R4495, R6500	0.5 @ 285°	MOROTAI ISLAND—Emergency Homing, no ident, on 265 kcs.	WZPS—4595 VZMT—X6560D, X3135N, R6540, R3270	



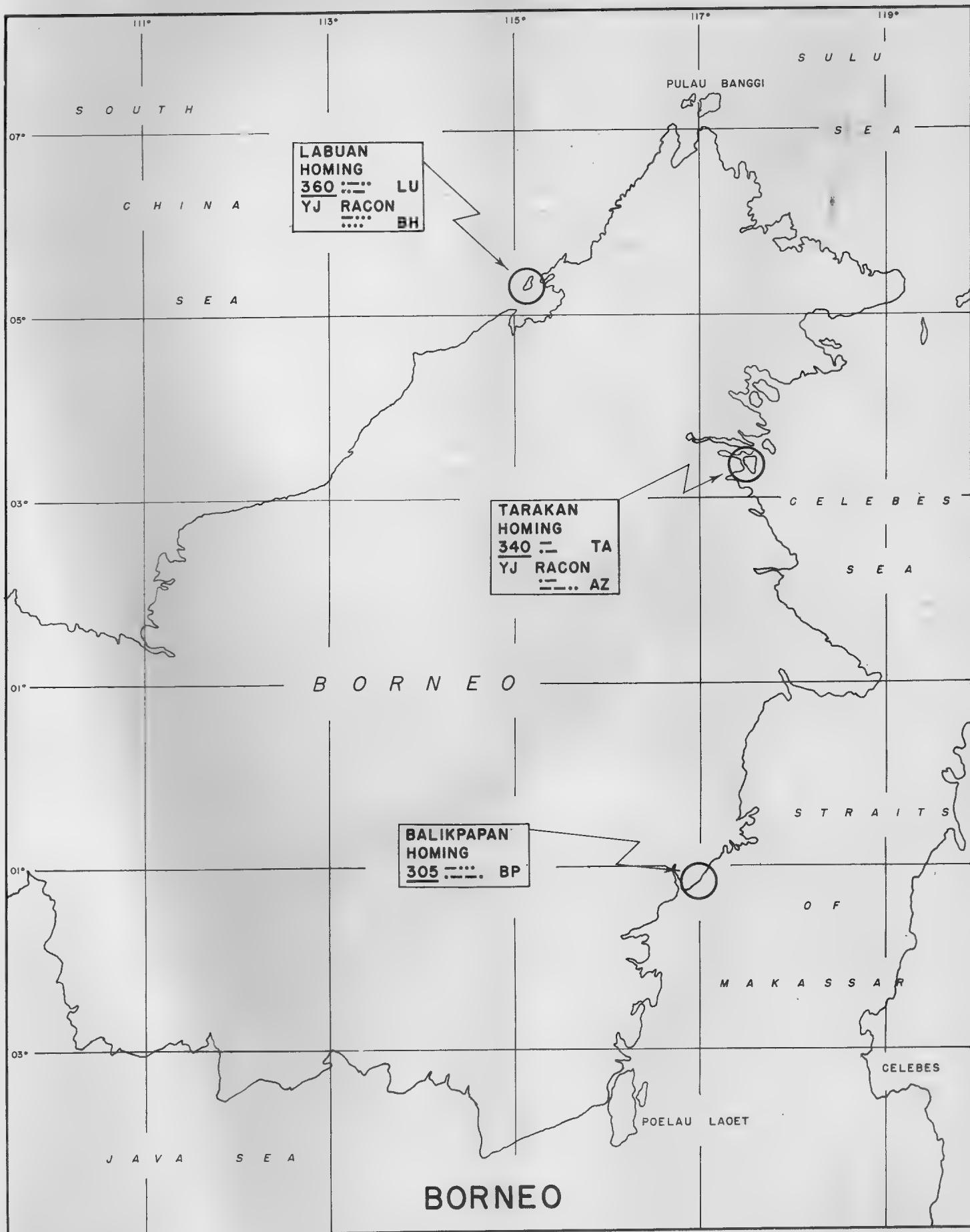
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RANGE Dist & Brng	TOWER, FLD ELEV., STRIP (VOICE) FACILITIES	HOMING Dist & Brng	REMARKS	AIR-GROUND (CW) FACILITIES
	COOKTOWN (26')—116.1, 4495	0.5 @ 58°	IRON RANGE—"IR" Homing operative on request. COOKTOWN—D/F available 2-10 mcs; 15° 29' S, 145° 14' E. VHF D/F available.	VZIR—X325, X3170, X6585, R3270, R6540
	CAIRNS (5')—116.1, X265, X310, R3270 R4495	At Field	CAIRNS—Cairns Tower operative when flights are enroute.	VZCK—X325, X3170, X6585, R3270, R6540
5.9 @ 122°	UNIQUE (13')—116.1, 126.18, 4495, X390, R3270	6.0 @ 118°	TOWNSVILLE—Emergency Homing, no ident, on 390 kcs. VHF D/F available. Warning: Range and Homer may be inoperative for routine maintenance 1100-1130 local time.	WYVD—4595 VZTV—X325, X3175, X6590, R3270, R6540
	MACKAY (13')—X390, R4495	0.7 @ 195°	MACKAY—D/F available.	VZMK—X325, X3175, X6590, R3270, R6540
	ROCKY (30') (D)—116.1, X305, R4495	1.5 @ 220°	ROCKHAMPTON—D/F available 2-10 mcs and VHF D/F available.	VZRK—4595, X325, X3175, X6590, R3270, R6540
3.8 @ 62°	AMBERLEY (80')—116.1, X210, X245, X355, R4495	0.9 @ 162°	BRISBANE (AMBERLEY FIELD)—Localizer approach faci- lities operative on channel X, no glide path operative. Outer Marker Beacon in operation. Emergency Homing, no ident, on 210 kcs. D/F available 2-10 mcs; 27° 39' 35" S, 152° 42' 11" E. Warning: Range or Homer may be inoperative for routine maintenance from 1100-1130 local time.	WYVP—4595/8200
	ARCHER (50')—116.1 X385, R4495	1.3 @ 260°	ARCHER FIELD (BRISBANE AREA)—D/F available.	VZBN—X325, X3175, X6590, R3270, R6540
	EAGLE FARM (15')—116.1, 126.18, X245, R4495,	1.6 @ 220°	EAGLE FARM (BRISBANE AREA)—Warning: Range may be inoperative for routine maintenance from 1100-1130 local time. Emergency Homing "EF" ident, on 245 kcs.	BRISBANE SEAPLANE BASE—
	MASCOT (10')—116.1, X265, R4495	1.2 @ 37°	LORD HOWE ISLAND—Facilities operative when flights are enroute. D/F available.	SYDNEY (MASCOT FIELD)—Commercial Brdcast Stns "2BL" on 740 kcs and "2FC" on 610 kcs. D/F available. Mascot Tower operative when flights are enroute.
				VZSY—X325, X3160, X6575, R3270, R6540
				VZLH—3298.5, 6557, 8523
				VZSD—3298.5, 6557, 8523



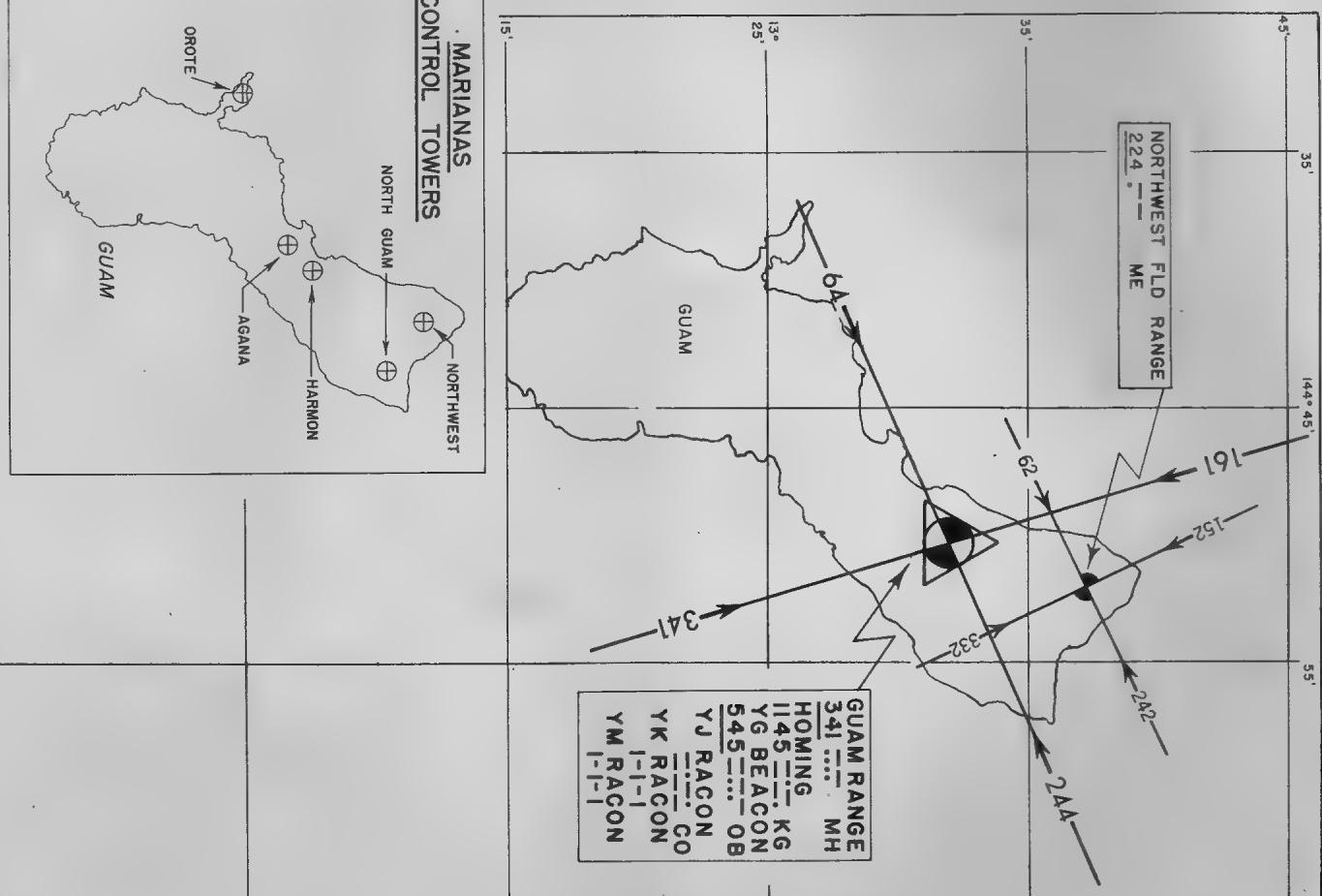
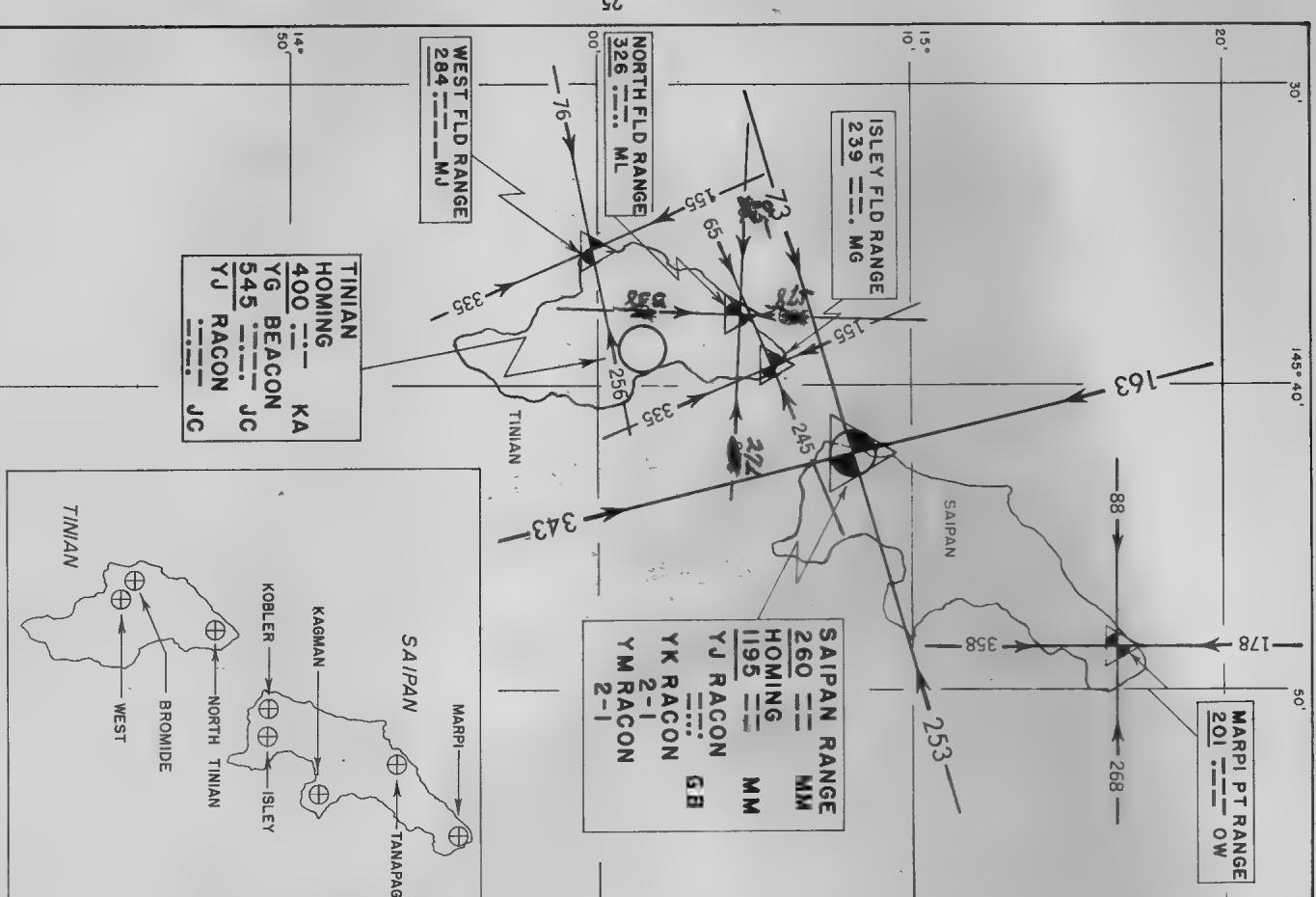
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TOSSLY ()—116.1, R4495			TARAKAN IS.—HF D/F available.	VZTA—X6560D, X3135N, R6540D, R3270N
DASHER ()—116.1, R4495			LABUAN—"LU" Homing operative 0700-1900 local time. HF D/F available.	VZLU—X6560D, X3135N, R6540D, R3270N
BUBBLING ()—116.1, R4495			BALIKPAPAN—"BP" Homing operative 0700-1900 local time.	VZYX—X6560D, X3135N, R6540D, R3270N



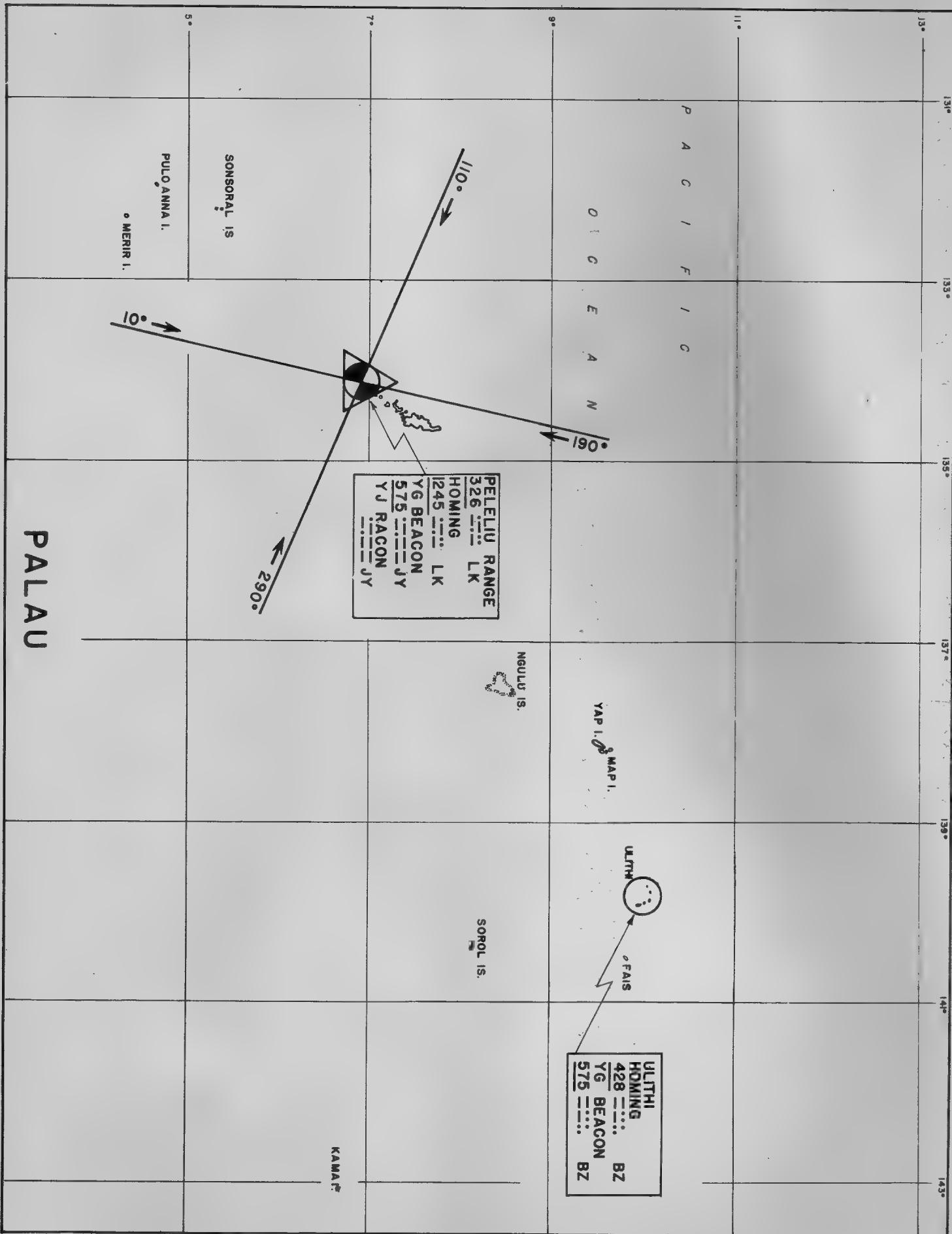
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RANGE Dist & Brng	TOWER, FLD ELEV., STRIP (VOICE) FACILITIES	HOMING Dist & Brng	REMARKS	AIR-GROUND (CW) FACILITIES
4.5 @ 65° "MG"	ISLEY (192')—116.1, X272, R4495, R6970 4855-4475-6259	1.6 @ 168°	SAIPAN ISLAND—Localizer and Glide Path operative on channel Z from 0800-1200 and 1300-1700 local time at #7 runway, Isley Field. Marker Beacon also operative.	NDP5—3280/6585, 4595/8200, 6910/6025, 3450/6705 ASST APPROACH IN-OPERATIVE
4.8 @ 62° "MM"	KAGMAN (236')—116.1, 4475, X368, R4495, R6970	2.4 @ 56°	Ground Control Approach facilities voice call ZIPPO ISLEY operative from 0800-1700 local time, GCA at Kohler operative daily except Sundays.	
1.1 @ 186° "MM"	KOBLER (103')—116.1, 126.18, 4475, X213, R4495, R6970	3.4 @ 250° 2.6 @ 268°	Isley Field "MG" Range located on Tinian. WXLD A.F. Brdgng Stn on 660 kcs and KSAI on 1010 kcs. D/F courses and fixes available 2-10 mcs; 15° 07' 55 N, 145° 44' 22" E. Warning: Radio-Navigational aids may be inoperative 2200-2300Z for normal maintenance.	
At Field "OW"	MARPI ()—116.1, 4475, X347, R4495, R6970		Transient Flights use Kohler Field.	
	TANAPAG—116.1, 6970			
	OROTE (100')—116.1, X209, R4495, R6970 4475	11.4 @ 263°	GUAM ISLAND—Localizer and Glide Path operative on channel Y at South Runway of North Field, operative 0800-1700 local time. Marker Beacon also operative.	NPN5—2976/6600, 3280/6585, 3440/6910, 3485/6025, 4595/8200 ASST
	AGANA (267') 116.1, X385, R4495, R6970 4475	2.4 @ 328°	Ground Control Approach facilities voice call ZIPPO NORTH-WEST operative from 0800-1700 local time. Also ZIPPO AGANA operative from 0800-1700 local time. WXLI A.F. Brdgng Stn on 1380 kcs.	GUAM-OKINAWA Evacuation flights—3815/5897.5
	HARMON (159')—116.1, X362, R4495, R6970 4475	3.5 @ 358°	D/F courses and fixes available 2-10 mcs; 13° 32' N, 144° 49' E. Warning: Radio-Navigational aids may be inoperative 2300-2400Z for normal maintenance.	
	NORTH GUAM (577')—116.1, X362, R4495, R6970	11.5 @ 43°	Transient flights use Agana Field. All Aircraft contact OATC for clearance before leaving enroute cruising altitude.	
	NORTHWEST (510')—116.1, X272, R4495, R6970			
	NPN5 OATC—X1145, R6500, R4495, 4478 426.18			
	WEST (252')—116.1, 126.18, X385, 4475, R4495, 4475	3.2 @ 190°	TINIAN ISLAND—Localizer and Glide Path operative on channel X from 0900-1800 local time at North Field runway A. Marker Beacon also operative.	
5.0 @ 64° "MH"	NORTH TINIAN (70')—116.1, 4475, X368, R4495, R6970 4475	3.0 @ 20°	Ground Control Approach facilities voice call ZIPPO NORTH TINIAN operative at B runway from 0800-1800 local time. Also ZIPPO BROMIDE at West Fields 1 and 2.	
0.4 @ 62° "ME"	BROMIDE ()—116.1, 126.18, 4475, X230, R4495, R6970 4475		Ranges may be inoperative from 0100-0130Z for normal maintenance. Warning: "KA" Homing inoperative 0300-0600Z each Tuesday for normal maintenance. D/F courses and fixes available 2-10 mcs; 15° 3' N, 145° 38' E.	
				GCA - WEST NO. 2 CALL 'ZIPPO WEST' OPERATIVE ON "B" RUNWAY



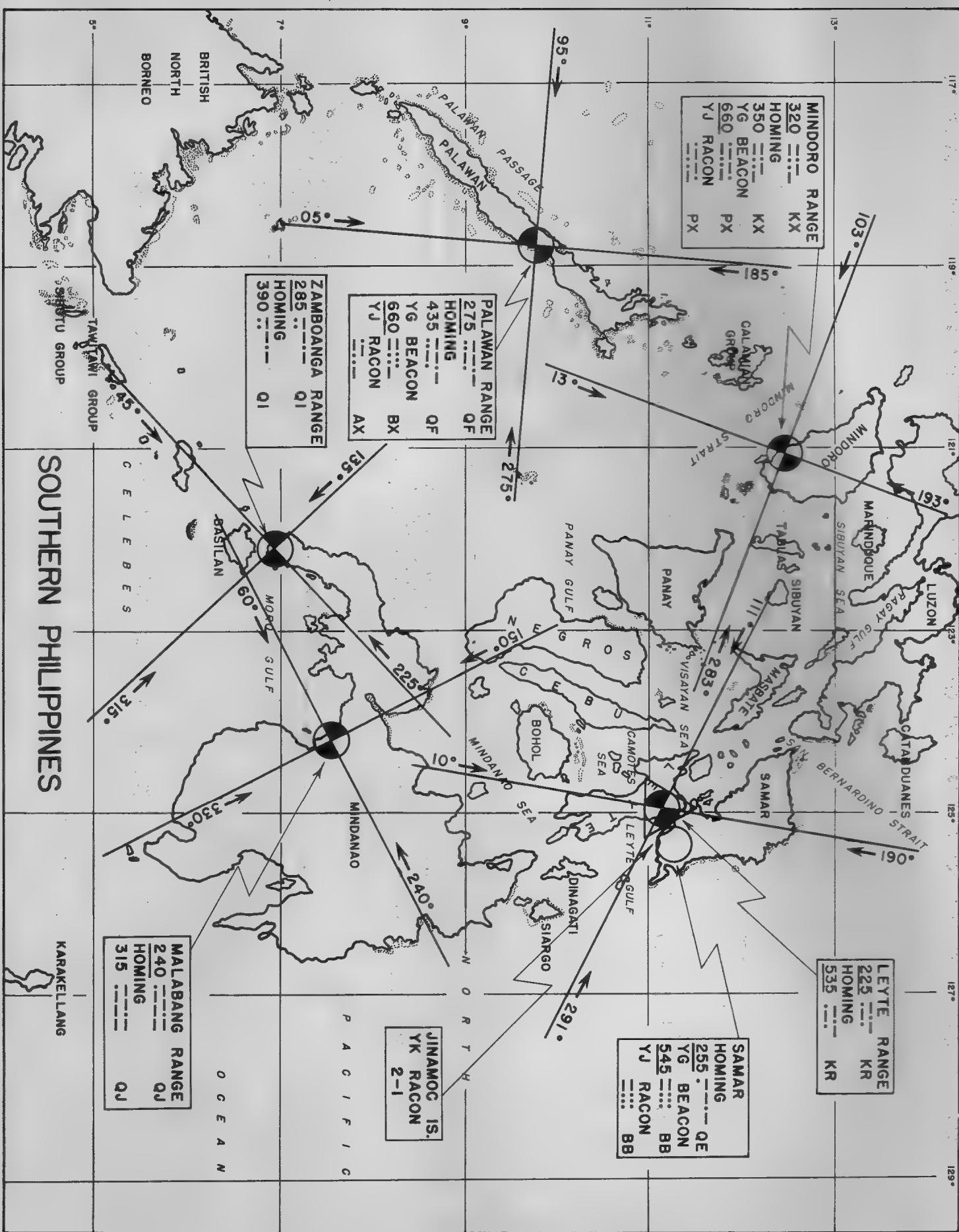
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4.6 208° 40° 35' S 40° 35' E	PELELIU—116.1, 126.18, X272, R4495, R6970	1.6 @ 198°	PELELIU ISLAND—"LK" Range located on Ngesebus Island. D/F courses and fixes available 2-10 mcs; 6° 58' 34" N, 134° 14' 15" E.	WVNC5—4595/8200
	ULITHI (3.5')—116.1, X272, R4495, R6970	At Field	ULITHI ISLAND—WVTY A. F. Brdgstrg Stn on 1340 kcs, operative 2000-2215 and 0001-1200Z.	



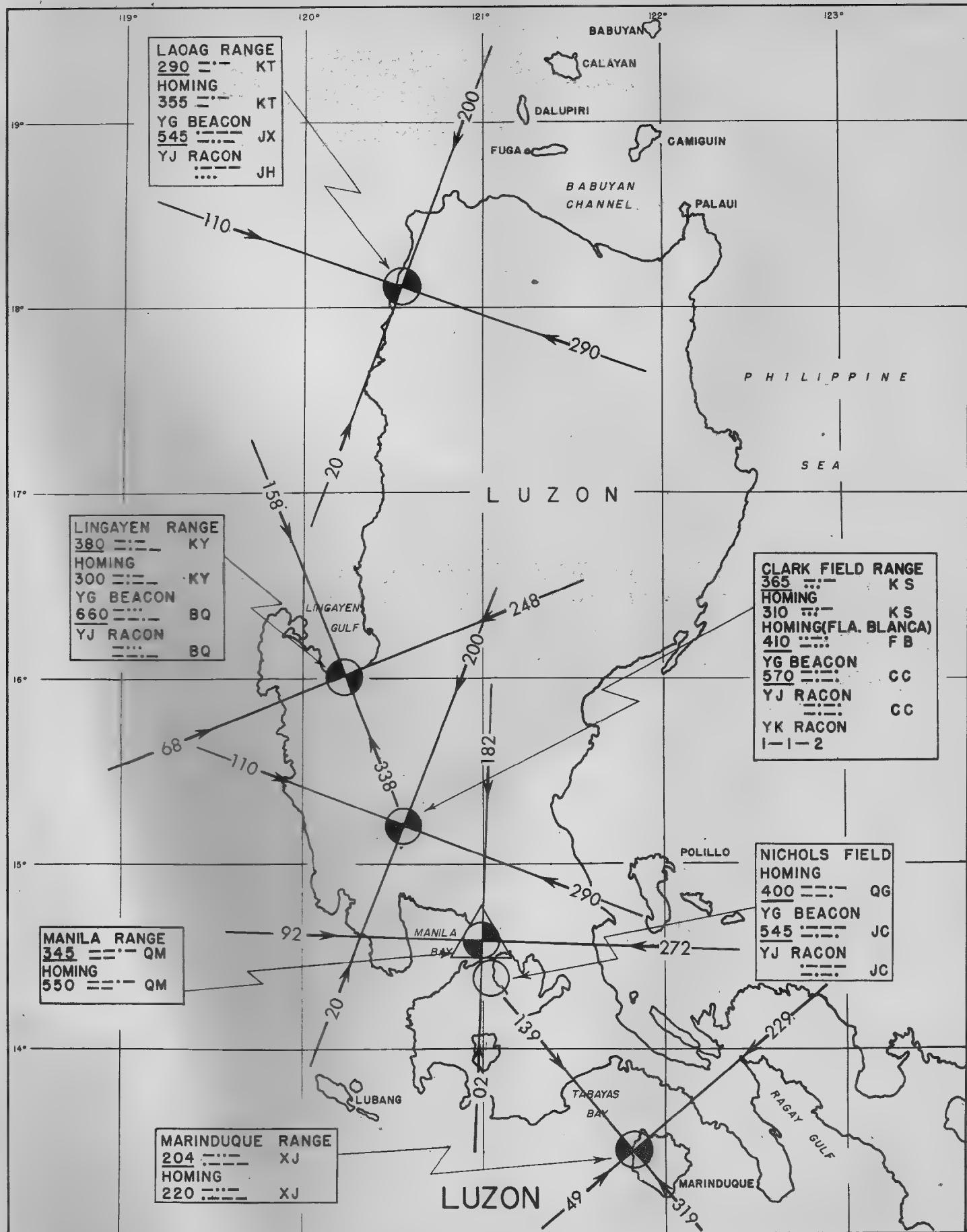
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RANGE Dist & Brng	TOWER, FLDELEV. STRIP (VOICE) FACILITIES	HOMING Dist & Brng	REMARKS	AIR-GROUND (CW) FACILITIES
0.5 @ 238°	ZAMBO—(25') Moret—116.1, 126.18, 6720, X210, R4495, R6500	0.7 @ 298°	CAUTION—Any range or homing listed on this page may be inoperative 1100-1130 local time for routine maintenance.	WUQI—4595
0.5 @ 240°	COWSHED (125') LIBBY—116.1, 126.18, X245, R4495, R6500	0.3 @ 165°	ZAMBOANGA (MINDANAO)—D/F courses and fixes available 2-10 mcs: 06° 55' 35" N, 122° 04' 20" E. Emergency Homing, no ident, on 230 kcs.	WUQI—4595
3.0 @ 175°	SCRAPPER (29') Titcomb—116.1, 126.18, X290, R4495, R6500	3.0 @ 170°	DAVAO (MINDANAO) — Cowshed tower operative 2200-0900Z.	WUQI—4595
51. @ 103° "KR"	WITNESS, (28') Palawan—116.1, 126.18, X210, R4495, R6500	0.8 @ 198°	MALABANG (MINDANAO)—Tower operative 0500-1930 local time.	WUQF—4595
2.5 @ 42°	CHEEKY (6') Tacloban—116.1, 126.18, X290, R4495, R6500	2.2 @ 34°	PALAWAN, P. I.—"QF" Range has course error over water, of minus 5° on all legs. D/F available 2-10 mcs: 09° 47' 47" N, 118° 45' 00" E.	WUQF—4595
16.6 @ 174°	CLIPPER (23') Dulag—116.1, 126.18, X210, R4495, R6500	16.7 @ 176°	SAMAR, P. I.—Bearing listed is to range on Leyte Island.	WUQE—4595, 6025, 5345D
5.5 @ 162°	VELVET (5') Tanuan—116.1, 126.18, X265, R4495, R6500 R4475	5.5 @ 167°	LEYTE, P. I.—"KR" Range 111° leg has bend to South 10 miles from station and 10° leg has bend to East 8 miles from station.	WXKR—4598, 6430K 6585D
1.2 @ 285°	GUSTO, Seadrome—40.58, 4475, 6500	4.4 @ 176°	Localizer and Glide Path operative on Channel Z from 0500-0630 and 1500-2130 local time at Dulag Strip.	JINAMOC IS.—
	VISTA, (1') McGuire—116.1, 126.18, 140.58, X210, R4495, R6500		Emergency Homing, no ident, on 265 kcs. D/F courses and fixes available 2-10 mcs: 11° 11' 23" N, 124° 59' 53" E.	MINDORO, P. I.—D/F available 2-10 mcs: 12° 26' 10" N, 121° 02' 10" E. Localizer operative on Channel Z and Glide Path operative on GZ Channel at McGuire Strip. Marker Beacon also operative.
	ONION (17') Manduriao—116.1, 6500, X200, R4495		PANAY, P. I.—Tower operative 0500-1930 local time.	PANAY, P. I.—Tower operative 0500-1930 local time.
	CATFOOT (20') Opon, Mactan Is.— 116.1, 126.18, X260, R4495, R6500		CEBU, P. I.—Emergency Homing, no ident, on 210 kcs. Pigmeat Tower operative 0600-1930 local time.	WUQN—4595
	PIGMEAT (106') Lahug—116.1, 126.18, X210, R4495, R6500			



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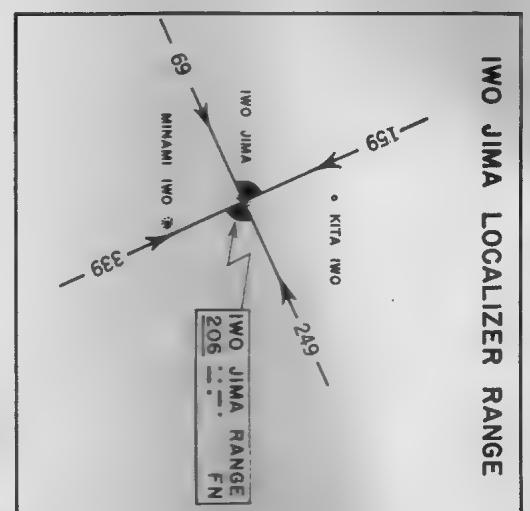
RANGE Dist & Brng	TOWER, FLD ELEV, STRIP (VOICE) FACILITIES	HOMING Dist & Brng	REMARKS CAUTION—Any range or homer listed on this page may be inoperative 1100-1130 local time for routine maintenance.	AIR-GROUND (CW) FACILITIES
0.6 @ 296°	GOATEE (9') Goatee—(D)—116.1, 126.18, X265, R4495, R6500	1.9 @ 78°	LINGAYEN (LUZON)—D/F available 2-10 mcs: 16° 02' N, 120° 15' 02" E. "KY" Range has multiples on all courses.	WXKY—4595
2.1 @ 200°	BORAX (475') #1 Strip—116.1, 126.18, X200, R4495, R6500 140.58	1.3 @ 317° "KS" At Field "FB"	CLARK FIELD (LUZON)—Ground Control Approach voice call ZIPPO BORAX, available on request to BORAX Tower. D/F available 2-10 mcs: 16° 11' 38" N, 120° 34' 14" E. (VHF/F/D/HOMER AT CLARK-CHARTER FROM BODDE BAGS TO BORAX CAYSTAGL)	WXKS—3640/5200, 4595
5.8 @ 351°	ESQUIRE (150') Florida Blanca—116.1 126.18, X215, R4495, R6500	4.3 @ 184° "QM" 0.6 @ 155° "QG"	MANILA AREA (LUZON)—AH ALICE ALICE with contact MANILA Airways 20 minutes prior to ETA over QM Range. Ground Control Approach facilities, voice call ZIPPO JACNIC operative 0700-1700 local time and on request to Jacnic Tower. VHF D/F available. D/F available 2-10 mcs: 14° 30' 35" N, 121° 00' 29" E. WVTM A. F. Brdesting station on 1300 Kcs.	WUQM—3280/6585, 3555/ 6555, 3640/5200, 4595, 5345D, 5725D, 6025D, 6330D
4.0 @ 341°	BIRDSONG () Nielsen Fld—116.1, 126.18, X240, R4495, R6500			
0.6 @ 46°	JACNIC (16') Nichols Fld—116.1, 126.18, X265, R4495, R6500 140.58			
	LIBEL, Sangley Point Sdme—140.58, 4475, 6500			
	MANILA AIRWAYS —R6500, 5055, 7860			
	NIGHT CLUB (12') Gabu—116.1, 126.18 X235, R4495, R6500	0.2 @ 68°	LAOAG (LUZON)—D/F available 2-10 mcs: 18° 11' 25" N, 120° 29' 30" E.	WXKT—3640/5200, 4595, 4340N



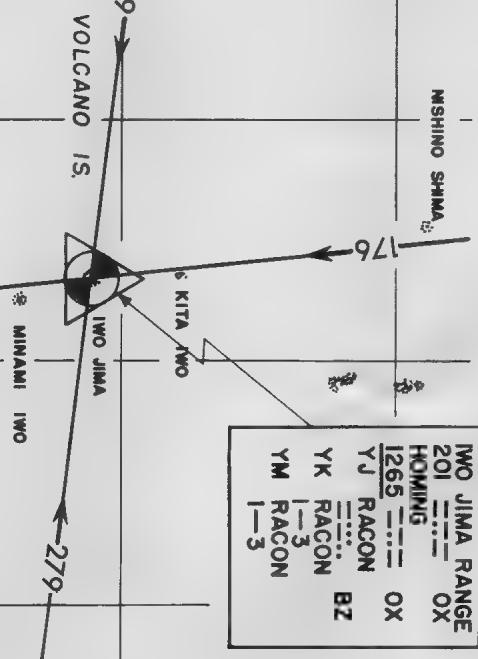
ALL FACILITIES ARE OPERATIVE CONTINUOUSLY EXCEPT WHERE (D) OR (N) INDICATES DAY OF NIGHT OPERATION ONLY AND (*) ON REQUEST ONLY.
 In Range and Home columns bearing is magnetic toward nearest end of nearest runway with distance in statute miles. In Tower and Air-Ground columns all freqs are Xmitted and Received with the following indicated exceptions: (X) means Xmit only, (R) Receives only. Freqs in pairs such as 3450/6705 indicate low freq for night use, high freq for day use.

RANGE Dist & Brng	TOWER, FLD ELEV. "STRIP" (VOICE) FACILITIES	HOMING Dist & Brng	REMARKS	AIR-GROUND (CW) FACILITIES
MAPLE () South Field—116.1, 4475, 6970, X272, R4495 0.2 @ 20° "OX" 0.5 @ 69° "FN"	WALNUT () Central Field—116.1, 4475, 6970, X244, R4495 PEARL (North—116.1, 4475, 6970, X227, R4495	0.3 @ 28°	IWO JIMA—Ground Control Approach facilities voice call ZIPPO MAPLE and ZIPPO WALNUT operative on request to respective tower. Localizer and Glide Path operative on channel Z from 0730—1730 local time at Runway 7, Central Field. Marker Beacons also operative. "FN" Range operative nights and during Instrument Weather. YJ and YK Racons operative nights. "OX" Range has voice call Walnut Radio. D/F available 2-10 mcs; 24° 45' 45" N, 141° 17' 52" E.	NDC5—3640/5200, 4595/8200 OKINAWA—GUAM Evacuation flights—3815/5897.5
			MARCUS—	NVL5—4595/8200

IWO JIMA LOCALIZER RANGE



VOLCANO



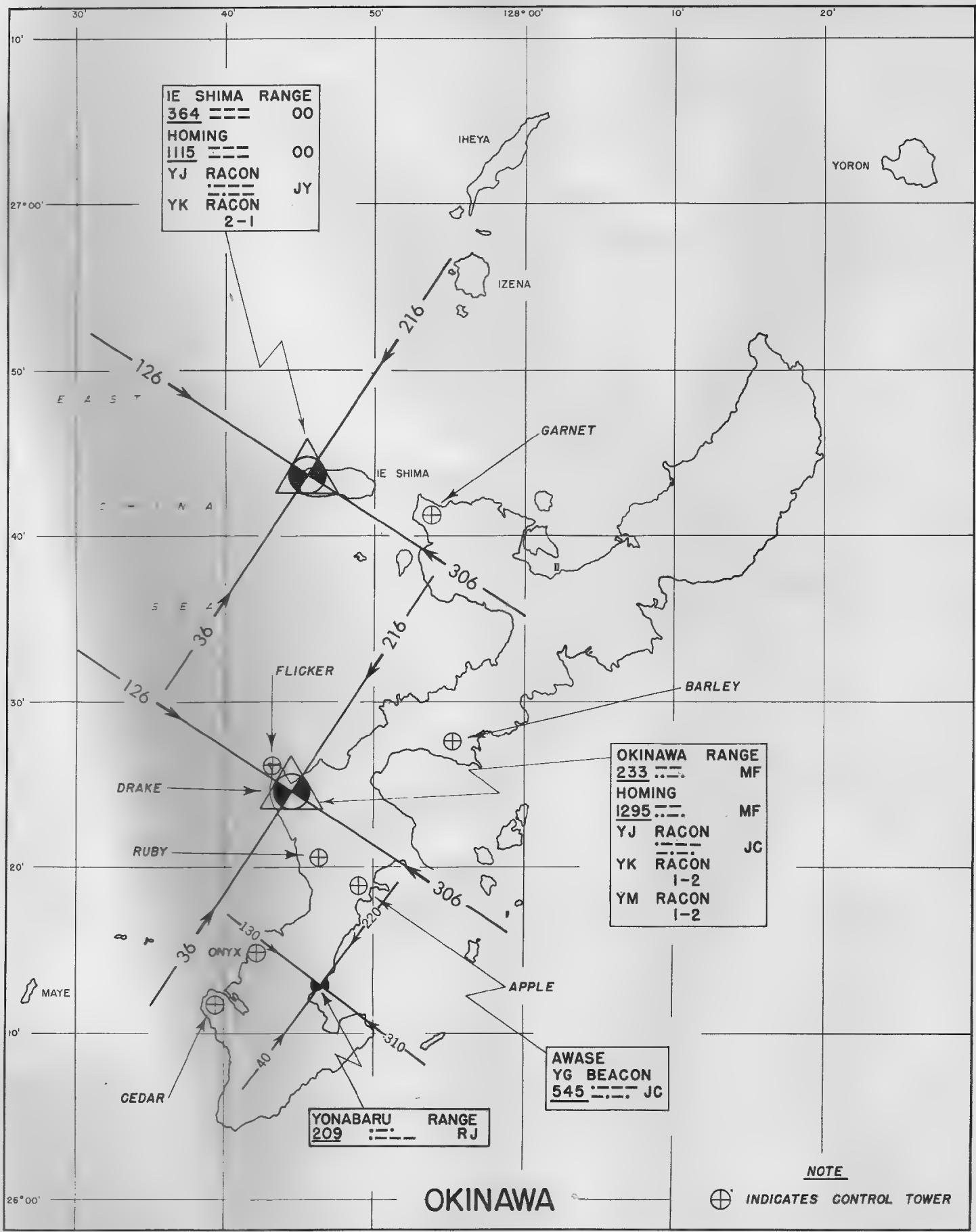
MARCUS ISLAND

MARCUS

ALL FACILITIES ARE OPERATIVE CONTINUOUSLY EXCEPT WHERE (D) OR (N) INDICATES DAY OF NIGHT OPERATION ONLY AND (*) ON REQUEST ONLY.

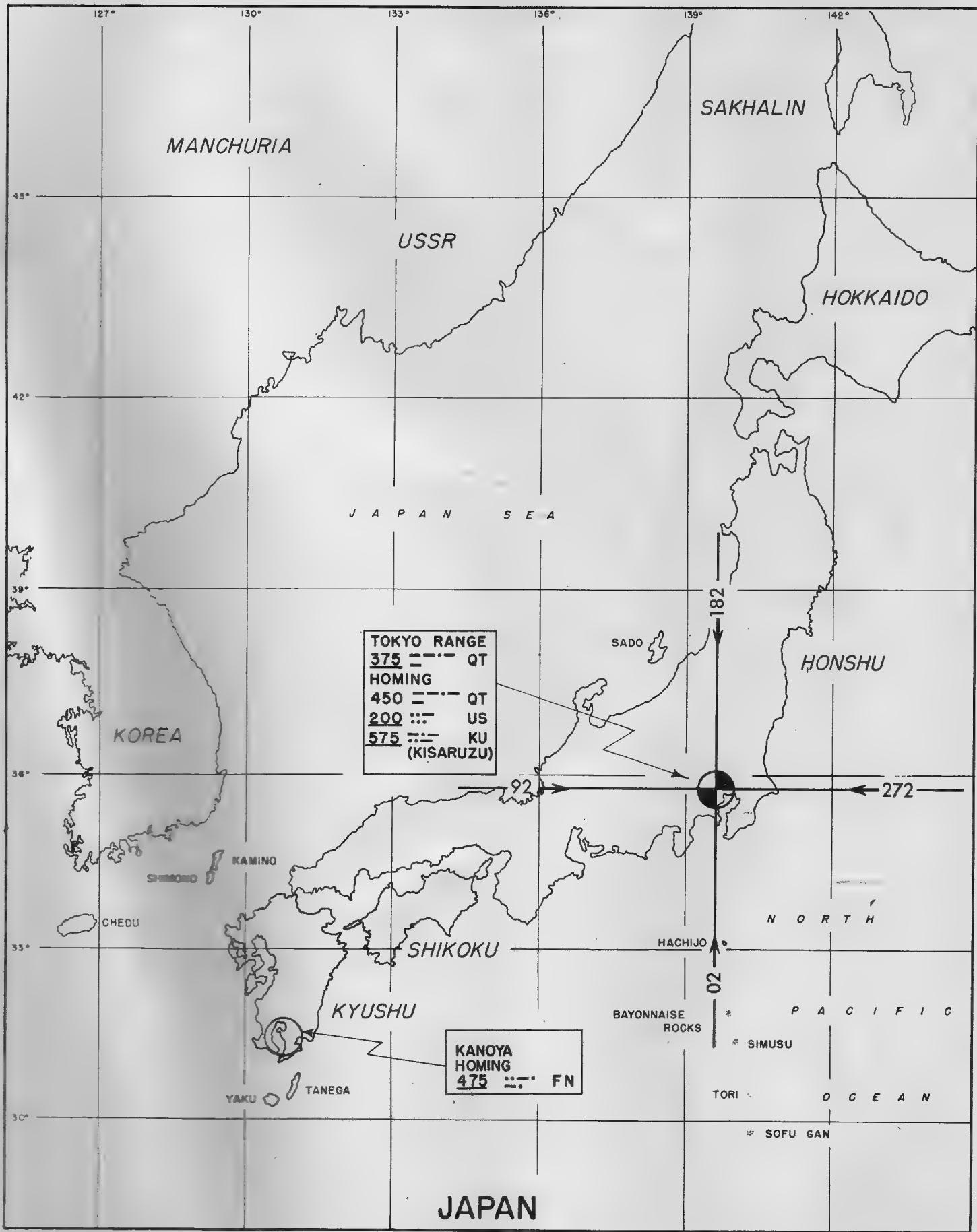
In Range and Homing columns bearing is magnetic toward nearest end of nearest runway with distance in statute miles. In Tower and Air-Ground columns all freqs are Xmit and Received with the following indicated exceptions: (X) means Xmit only, (R) Receives only. Freqs in pairs such as 3450/6705 indicate low freq for night use, high freq for day use.

RANGE Dist & Brng	TOWER, FLD ELEV., STRIP (VOICE) FACILITIES	HOMING Dist & Brng	REMARKS	AIR-GROUND (CW) FACILITIES
1.1 @ 137°	DRAKE (240') Yontan—116.1, 126.18, 139.32, 6500, X251, R4495, R6970	1.0 @ 19°	OKINAWA—Ground Control Approach facilities, voice call ZIPPO DRAKE at Yontan Field, operative 2200-0800Z. D/F available 2-10 mcs: 28° 23' 41" N, 127° 43' 56" E. "RJ" Localizer Range operative during instrument weather. Garnet Tower operative 0200-0930Z. WXLH A. F. Brdcstg Stn on 1060 kcs. "MF" Range may be inoperative from 2300-2400Z daily for normal maintenance.	ND15—3640/5200, 4595/8200 3916/5425 OKINAWA—GUAM Evacuation flights—3815/5897.5
4.3 @ 155°	RUBY () Kadena—116.1, 126.18, 127.08, X272, 6500, R4495, R6970			
	BARLEY (173') Chimu—116.1, 6970			
	APPLE (12')—Awase—116.1, 6970, R4475			
	CEDAR () Naha—116.1, 126.18, 139.32, 6500, X260, R4495, R6970			
	ONYX () Machinato—116.1, 126.18, 129.05, 6500, X396, R4495, R6970			
	GARNET (145') Motobu "A"—116.1, 126.18, 6500			
	FLICKER () Bolo #2—116.1, 126.18, 6500			
	OAKRA (20') Yonabaru NAB—116.1, 126.5, 140.58, 6440, 6500, 6970, X290, R4495			
1.9 @ 118°	PLUM () East Strip—116.1, 126.18, 139.32, 6970, R4495	0.5 @ 331°	IE SHIMA—Ground Control Approach facilities, voice call ZIPPO PLUM, operative on request to Plum tower.	
	BIRCH () Middle Strip—116.1, 126.18, 6970, 6500, X278			
	MOCHA () West Strip—116.1, 126.18, 6500, X219, R4495, R6970			



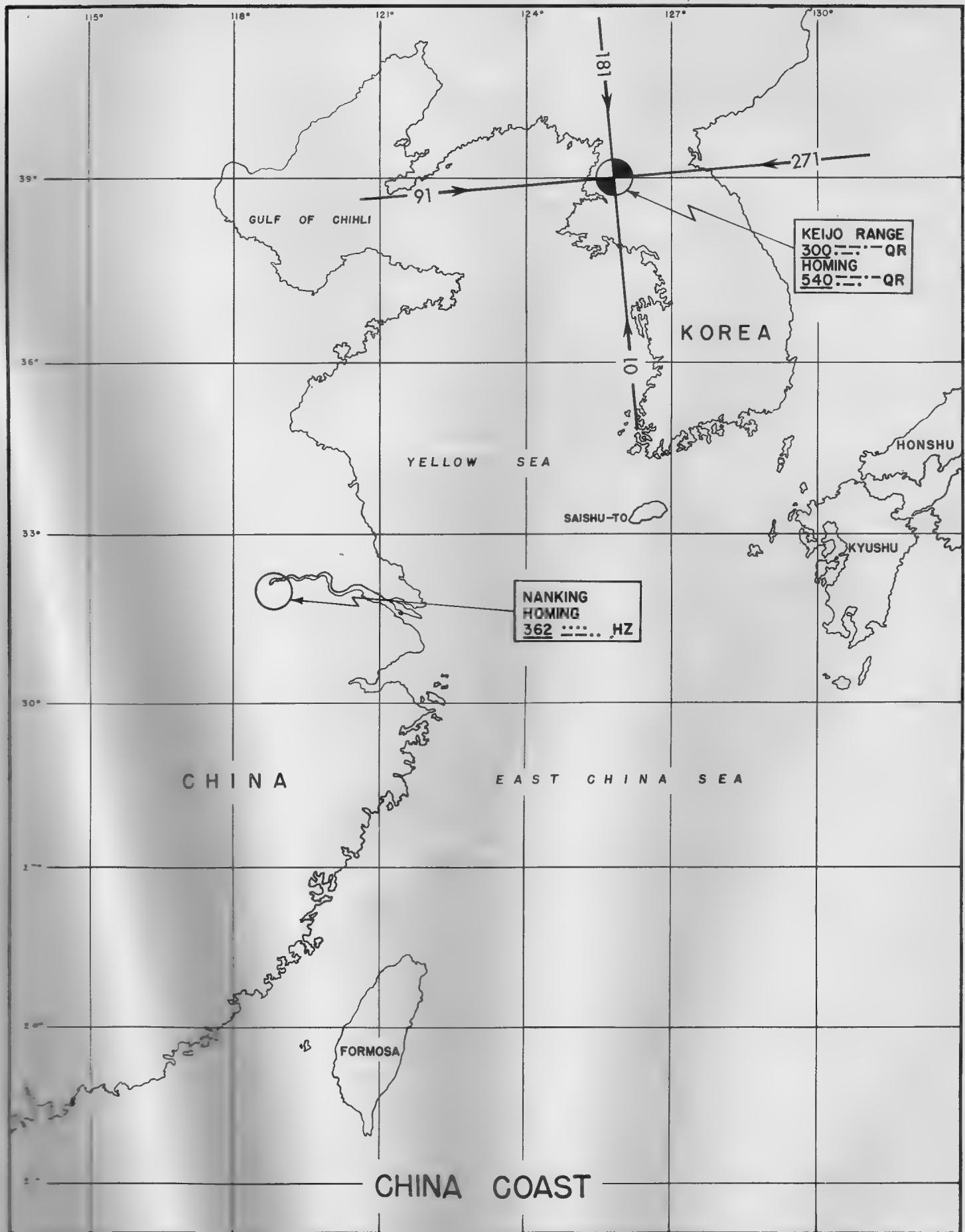
ALL FACILITIES ARE OPERATIVE CONTINUOUSLY EXCEPT WHERE (D) OR (N) INDICATES DAY OF NIGHT OPERATION ONLY AND (*) ON REQUEST ONLY.
 In Range and Homing columns bearing is magnetic toward nearest end of runway with distance in statute miles. In Tower and Air-Ground columns all freqs are Xmit and Received with the following indicated exceptions: (X) means Xmit only, (R) Receives only. Freqs in pairs such as 3450/6705 indicate low freq for night use, high freq for day use.

RANGE Dist & Brng	TOWER, FLD ELEV., STRIP (VOICE) FACILITIES	HOMING Dist & Brng	REMARKS	AIRGROUND (CW) FACILITIES
0.4 @ 00°	IMAGE (105') Atsugi—116.1, 126.18, 139.32, 140.58, X290, R4495, R6500 FREEBOOT (278') Tachikawa—(D)— 116.1, 126.18, X233, R4495 KNOTTY (164') Chofu—(D)—116.1, X245 KISSER (10') Kisarazu—116.1 RENO () Yokota—116.1, 128.18 YOKOSUKA () NAB—116.1, 140.58, 142.74, 6500 IRISH () Irumigawa—(D)—116.1 BAYLEAF ()—116.1, 126.18	0.3 @ 278° “QT” 5.0 @ 330° “US” 1.0 @ 180°	TOKYO AREA—“KU” Homing operative 0500-2100 local time. Emergency Homing “AT” ident, on 290 kcs at Image twr. Emergency Homing “FA” ident, on 233 kcs days at Freeboot twr. Emergency Homing “SG” ident on 245 kcs days at Knotty twr. D/F available 2-10 mcs;	WUQT—4595, 3640/5200 WZFN—4595



ALL FACILITIES ARE OPERATIVE CONTINUOUSLY EXCEPT WHERE (D) OR (N) INDICATES DAY OF NIGHT OPERATION ONLY AND (*) ON REQUEST ONLY.
 In Range and Homing columns bearing is magnetic toward nearest end of nearest runway with distance in statute miles. In Tower and Air-Ground columns all freqs are Xmit and Received with the following indicated exceptions: (X) means Xmit only, (R) Receives only. Freqs in pairs such as 3480/6705 indicate low freq for night use, high freq for day use.

RANGE Dist & Brng	TOWER, FLD ELEV., STRIP (VOICE) FACILITIES	HOMING Dist & Brng	REMARKS	AIR-GROUND (CW) FACILITIES
1.3 @ 258°	LEGHORN () Kimpo Adme—116.1 126.18, R6500	1.2 @ 266°	KEIJO—"QR" Range operative 2100-0700Z Tower operative 2200-0900Z and one hour prior to ETA.	WUQR—4595
	HZ () Taichiao Chan—116.1, X295, R4495	0.5 @ 169°	NANKING—Chinese Brdcstng stn XGOB on 660 kcs operative from 2200-1400Z, with identification announced every 15 minutes. HZ Tower operative from 2200-1300Z.	SHANGHAI—XGOI Brdcstng stn operative on 900 kcs, from 2300-1400Z with ident given every 5 minutes. Also. stn XMHC on 708 kcs, from 1400-2300Z with ident given every 5 minutes.



HOMING BEACONS IN THE PACIFIC AREA

(L I S T E D N U M E R I C A L L Y B Y P A G E)

Terminal weather broadcast on Homing Beacon at 05 & 35 minutes past GCT hour is indicated by symbol (†) following Homing frequency, example (428 †) and at 15, 35 & 55 minutes past GCT hour is indicated by symbol (#), example (428 #). All Terminal Weather broadcasts on Homing beacons listed this page are in "UCO PLAIN."

Page	Location	Ident.	Freq.	Latitude	Longitude	Page	Location	Ident.	Freq.	Latitude	Longitude	
1	Parallon.....	FQ	407	37° 40' N	123° W	17	Milne Bay.....	MY	290	10° 18' 36" S	150° 22' 16" E	
1	Hamilton Field.....	DHF	528	38° 05' 30" N	122° 30' 05" W	17	Port Moresby.....	XD	300	09° 28' 20" S	147° 10' 45" E	
3	Hickam Field.....	WZJ	428	21° 20' 40" N	157° 58' W	19	Biak.....	PT	230	01° 08' 36" S	136° 04' 42" E	
3	South Cape.....	KC	524	18° 57' N	165° 40' W	19	Middleburg.....	MF	220	00° 25' S	132° E	
5	Christmas.....	RG	885	01° 58' 20" N	157° 21' 02" W	19	Morotai.....	MT	295	02° 03' 30" N	128° 20' 15" E	
5	Johnston.....	QJ	234	16° 45' 12" N	169° 29' 51" W	21	Cairns.....	CS	310	16° 53' S	145° 46" E	
5	Midway.....	NQM	555	28° 12' 17" N	177° 22' 17" W	21	Cooktown.....	CK	345	15° 26' 30" S	145° 11' 05" E	
5	Palmira.....	JY	364	05° 53' 19" N	162° 05' 30" W	21	Townsville.....	VD	285	19° 12' 21" S	146° 41' 08" E	
7	Aitutaki.....	DF	528	18° 50' S	159° 45' W	21	Amberley.....	AY	355	27° 38' S	152° 42" E	
7	Bora Bora.....	IC	280	16° 26' 40" S	151° 43' 20" W	21	Makay.....	MK	390	21° 10' S	149° 11' E	
7	Canton.....	BY	1015	02° 47' S	171° 41' W	21	Rockhampton.....	RK	305	23° 27' 06" S	150° 30' 38" E	
7	Funafuti.....	FA	407	08° 31' 31" S	179° 12' 30" E	21	Lord-Howe.....	LH	360	31° 31' S	169° 04' E	
7	Penrhyn.....	DO	536	09° 03' S	158° 03' W	21	Sidney.....	SY	380	33° 56' S	161° 11' E	
9	Tarawa.....	MA	1175	01° 20' 46" N	172° 57' 08" E	23	Iron Range.....	IR	385	12° 47' S	143° 18' E	
9	Eniwetok.....	GY	476	11° 21' 45" N	162° 21' 16" E	23	Tarakan.....	TA	340	03° 18" N	117° 36" E	
9	Kwajalein.....	MC	1245	08° 44' 50" N	167° 41' 30" E	23	Labuan.....	LU	360			
9	Majuro.....	MD	518	07° 05' N	171° 22' 40" E	21	Baliukapan.....	BP	305			
11	Nandi.....	JR	432	17° 49' S	177° 24' 30" E	25	Guam.....	KG	1145	13° 27' N	144° 48' 40" E	
11	Nausori.....	NU	260	18° 02' S	178° 33' E	25	Saipan.....	MM	1195	15° 08' 48" N	145° 44' 10" E	
11	Suva Seadrome.....	LB	367	18° 09' 14" S	178° 26' 40" E	25	Tinian.....	KA	400	15° 02' 30" N	145° 37' 50" E	
11	Tongatabu.....	TG	285			27	Peleliu.....	LK	1245	07° 01' 14" N	134° 15' 01" E	
11	Tutuila.....	UU	338	14° 19' 42" S	170° 45' W	27	Ulithi.....	BZ	428	10° 01' 45" N	139° 46' 35" E	
13	Auckland.....	WP	437	36° 46' 46" S	174° 36' 11" E	29	Leyte.....	KR	535	11° 11' 37" N	125° 00' 27" E	
13	Cape Reinga.....	ZLOC	315	34° 25' 42" S	172° 40' 30" E	29	Mindoro.....	KX	350	12° 25' 55" N	121° 02' 40" E	
13	Norfolk.....	KN	420	29° 01' 54" S	167° 56' 39" E	29	Malabang.....	QJ	315	07° 37' 17" N	124° 02' 51" E	
13	Efate.....	HF	1315	17° 41' 30" S	168° 17' 52" E	29	Palawan.....	QF	435	09° 47' 13" N	118° 44' 41" E	
13	Espirito Santo.....	OP	240	15° 29' 54" S	167° 14' 06" E	29	Samar.....	QE	255	11° 03' N	125° 43" E	
13	Plaines des Galacs.....	IM	405	21° 16' 50" S	164° 54' 23" E	29	Zamboanga.....	QI	390	06° 55' N	122° 04' 40" E	
13	Tontouta.....	IH	528	22° 03' 04" S	166° 12' 12" E	31	Laoag.....	KT	355	18° 11' 25" N	120° 32' 35" E	
15	Bougainville.....	CD	885	06° 13' 10" S	155° 02' 03" E	31	Clark Field.....	KS	310	15° 10' 55" N	120° 33' 58" E	
15	Guadalcanal.....	DX	338	09° 26' S	160° 08' E	31	Clark (Fla. Blanca).....	FB	410	14° 59' 20" N	120° 29' 28" E	
15	Russell.....	IF	536	09° 04' 20" S	159° 14' E	31	Lingayen.....	KY	300	16° 01' 50" N	120° 12' 57" E	
17	Finschhafen.....	XT	315	#	06° 39' 47" S	147° 50' 04" E	31	Nichols Field.....	QG	400		
17	Lae.....	LE	200	06° 43' 45" S	146° 59' 45" E	31	Manila.....	QM	550	14° 38' 15" N	121° 01' 52" E	
17	Los Negros.....	XZ	235	#	02° 00' 13" S	147° 25' 15" E	33	Marinduque.....	XJ	220	13° 22' N	121° 49' E
17	Hollandia.....	XW	395	#	02° 35' S	140° 30' E	35	Iwo Jima.....	OX	1265	24° 45' 45" N	141° 17' 52" E
17	Jacquinot Bay.....	JB	305			35	Okinawa.....	MF	1295	26° 22' 14" N	127° 44' 36" E	
17	Madang.....	MG	235			37	Le Shima.....	OO	1115	26° 42' 47" N	127° 47' 35" E	
17	Higgins.....	HF	240	#	10° 56' S	142° 28' E	37	Tokyo.....	QT	450	35° 26' 30" N	139° 26' E
17	Horanda.....	DO	385	08° 46' 40" S	148° 22' 30" E	37	Tokyo (Kisarazu).....	US	200	35° 24' 30" N	139° 26' E	
17	Merauke.....	MR	275	#	08° 32' 06" S	140° 25' 54" E	37	Kahoya.....	FN	475	37° 32' N	126° 53" E
						39	Keljo.....	QR	540			
						39	Nanking.....	HZ	362			

RADIO RANGES IN THE PACIFIC AREA

(LISTED NUMERICALLY ALREADY BY PAGE)

Page	Location	Ident.	Freq.	Latitude	Longitude	Page	Location	Ident.	Freq.	Latitude	Longitude
1	Fairfield.....	DFA	248	38° 18' 30" N	121° 59' 16" W	17	Los Negros.....	XZ	200	02° 00' 03" S	147° 25' 15" E
1	Oakland.....	OA	335	37° 44' 30" N	122° 13' 13" W	17	Hollandia.....	XW	375	02° 35' S	140° 41' E
3	Barking Sands.....	MI	242	22° 02' 52" N	159° 46' 50" W	19	Biak.....	PT	310	01° 10' 11" S	136° 04' 40" E
3	Port Allen.....	KF	227	21° 53' 10" N	159° 29' 10" W	21	Townsville.....	VD	365	19° 12' 07" S	146° 41' 25" E
3	Honolulu.....	HZ	344	21° 19' 40" N	157° 59' 35" W	21	Amberley Field.....	BR	395	27° 39' 46" S	152° 39' 04" E
3	Hilo.....	UF	335	19° 43' 45" N	155° 01' W	21	Eagle Farm.....	EF	370	27° 24' 32" S	153° 06' 24" E
3	Homestead.....	MK	248	21° 07' 59" N	157° 09' 13" W	21	Sidney.....	SY	230	33° 55' 30" S	151° 11' 45" E
3	Kaneohe.....	NGF	452	21° 27' 07" N	157° 45' 09" W	25	Guam.....	MH	341	13° 32' 38" N	144° 50' 25" E
3	Maui.....	GM	209	20° 38' 06" N	156° 26' 51" W	25	Guam.....	ME	224		
5	Christmas.....	RG	388	01° 57' 35" N	157° 24' 35" W	25	Saipan.....	MM	260	15° 08' 09" N	145° 42' 04" E
5	Johnston.....	QJ	260	16° 45' 22" N	169° 29' 49" W	25	Tinian (West Fld).....	MJ	284	14° 59' 51" N	145° 35' 36" E
5	Midway.....	KU	347	28° 12' 10" N	177° 22' 36" W	25	Tinian (North Fld).....	ML	326	15° 04' 33" N	145° 37' 33" E
5	Palmyra.....	JY	326	05° 52' 21" N	162° 06' 41" W	25	Tinian (Isley Fld).....	MG	239	15° 05' 24" N	145° 39' 25" E
41	Canton.....	BY	254	02° 51' 07" S	171° 37' 40" W	27	Saipan (Marpit Pt).....	OW	201	15° 16' 42" N	145° 48' 36" E
9	Tarawa.....	MA	220	01° 20' 59" N	172° 56' 46" E	29	Peleliu.....	LK	326	07° 03' 05" N	134° 16' 10" E
9	Eniwetok.....	GY	230	11° 23' 30" N	162° 23' E	29	Leyte.....	KR	225	11° 11' 33" N	124° 59' 59" E
9	Kwajalein.....	MC	326	08° 44' 50" N	167° 41' 30" E	29	Malatang.....	QJ	240	07° 37' 38" N	124° 03' 59" E
9	Majuro.....	MD	400	07° 04' 50" N	171° 19' 50" E	29	Mindoro.....	KX	320	12° 21' 15" N	121° 04' 30" E
11	Nandi.....	JR	208	17° 50' S	177° 23' E	31	Palawan.....	QF	275	09° 46' 24" N	118° 44' 41" E
11	Tutuila.....	UU	382	14° 20' S	170° 42' W	31	Zamboanga.....	QI	285	06° 55' 30" N	122° 04' 40" E
11	Wallis.....	LW	239	13° 20' 40" S	176° 10' 10" W	31	Lingayen.....	KY	380	16° 02' N	120° 14' 58" E
13	Auckland.....	FY	236	36° 50' 08" S	174° 39' 35" E	33	Clark Field.....	KS	365	15° 13' N	120° 34' E
13	Norfolk.....	KN	300	29° 03' 25" S	167° 57' 45" E	33	Manila.....	QM	345	14° 27' 30" N	121° 01' 58" E
13	Efate.....	HF	320	17° 42' 20" S	168° 18' 47" E	33	Laoag.....	KT	290	18° 11' N	120° 31' 51" E
13	Espritu Santo.....	LY	227	15° 28' 59" S	167° 12' 34" E	35	Marinduque.....	XJ	204	13° 27' N	121° 50" E
13	Tontouta.....	IH	263	22° 00' 31" S	166° 10' 42" E	35	Ie Shima.....	OX	201	24° 46' 36" N	141° 18' 41" E
15	Bougainville.....	CD	224	06° 13' 29" S	155° 00' 34" E	37	Okinawa.....	FN	206	24° 46' 37" N	141° 18' 05" E
15	Guadalcanal.....	HV	257	09° 27' 06" S	160° 07' 40" E	39	Okinawa (Yonabaru).....	MF	233	26° 44' 01" N	127° 45' 31" E
							Tokyo.....	RJ	209	26° 24' 40" N	127° 44' 18" E
							Keijo.....	QT	375		
							Keijo.....	QR	300	37° 32' N	126° 53' E

YG BEACONS IN THE PACIFIC AREA

(LISTED NUMBERICALLY BY PAGE)

The following information is a listing of all known YG Radio Beacons in the Pacific Areas. The YG Beacon is a sector coded beacon with standard sector settings for the Pacific Area. The code letters listed under the "Ident" Column refer to the geographical location of the YG Beacon, NOT TO THE SECTOR SETTINGS.

Page	Location	Ident.	Freq.	Latitude	Longitude	Page	Location	Ident.	Freq.	Latitude	Longitude
1	Oakland.....	OQ	540	37° 47' 06" N	122° 17' 49" W	17	Manus (Pityulu).....	BP	545	01° 57' 20" S	147° 13' 24" E
1	Treasure Island.....	CJ	600	37° 48' 35" N	122° 21' 54" W						
3	Kaneohe.....	PQ	560	21° 27' 04" N	157° 45' 35" W	25	Guam.....	OB	545	13° 25' 10" N	144° 38' 20" E
3	Barbers Point.....	BP	545	21° 21' 10" N	158° 04' 15" W	25	Tinian.....	JC	545	15° 02' 35" N	145° 37' 50" E
3	Maui.....	JY	665	20° 49' 05" N	156° 27' 35" W	27	Ulithi.....	BZ	575	10° 01' 21" N	139° 47' 31" E
3	Upolu Point.....	QO	615	20° 15' 59" N	155° 51' 53" W	27	Peleliu.....	JY	575	06° 59' 30" N	134° 14' 10" E
42	Hilo.....	CJ	575	19° 43' 23" N	155° 03' 43" W						
5	Midway.....	ZO	570	28° 12' 35" N	177° 22' 47" W	29	Samar.....	BB	545	11° 02' N	125° 44' E
5	Johnston.....	BO	640	16° 44' 27" N	169° 31' 07" W	29	Mindoro.....	PX	660	12° 25' 45" N	121° 05' 30" E
5	Palmyra.....	JY	680	05° 53' 04" N	162° 05' 16" W	29	Palawan.....	BX	660	09° 47' 13" N	118° 44' 41" E
5	French Frigate Shoals.....	QP	530	23° 52' N	166° 17' 12" W						
9	Eniwetok.....	PY	545	11° 21' 51" N	162° 21' 14" E	31	Clark Field.....	CC	570	15° 10' 55" N	120° 33' 11" E
9	Kwajalein.....	OQ	545	08° 43' 50" N	167° 44' E	31	Lingayen.....	BQ	660	16° 01' 45" N	120° 12' 23" E
9	Majuro.....	OC	575	07° 05' 28" N	171° 22' 54" E	31	Laoag.....	JX	545	18° 10' 31" N	120° 31' 01" E
9	Roi.....	BO	575	09° 23' 30" N	167° 28' 30" E	31	Nichols Field.....	JC	545	14° 31' 12" N	120° 59' 22" E
15	Bougainville.....	XY	545	06° 12' 32" S	155° 04' 05" E	35	Okinawa (Awase).....	JC	545		

